

# SCORE Search Results Details for Application 10516759 and Search Result 20101117\_144529\_us-10-516-759a-16\_copy\_2\_139.ra.

<a href="#">Score Home</a>	<a href="#">Retrieve Application</a>	<a href="#">SCORE System</a>	<a href="#">SCORE</a>	<a href="#">Comments /</a>
<a href="#">Page</a>	<a href="#">List</a>	<a href="#">Overview</a>	<a href="#">FAQ</a>	<a href="#">Suggestions</a>

This page gives you Search Results detail for the Application 10516759 and Search Result 20101117\_144529\_us-10-516-759a-16\_copy\_2\_139.ra.

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OM protein - protein search, using sw model

Run on: November 17, 2010, 15:03:21 ; Search time 37 Seconds  
(without alignments)  
1034.804 Million cell updates/sec

Title: US-10-516-759A-16\_COPY\_2\_139  
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Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1668452 seqs, 279819459 residues

Total number of hits satisfying chosen parameters: 1668452

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 150 summaries

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## ALIGNMENTS

## RESULT 1

US-10-159-353B-6

; Sequence 6, Application US/10159353B

; Patent No. 7390632

; GENERAL INFORMATION:

; APPLICANT: Maihle, Nita

; APPLICANT: Lee, Hakjoo

; TITLE OF INVENTION: System and Method to Inhibit Heregulin Activated Processes and

; TITLE OF INVENTION: Other Methods Using Soluble ErbB3 and Method to Produce Soluble

; TITLE OF INVENTION: ErbB3

; FILE REFERENCE: 01-03Maihle

; CURRENT APPLICATION NUMBER: US/10/159,353B

; CURRENT FILING DATE: 2002-05-31

; PRIOR APPLICATION NUMBER: US 09/676,380

; PRIOR FILING DATE: 2000-09-29

; NUMBER OF SEQ ID NOS: 8

; SOFTWARE: PatentIn version 3.2

; SEQ ID NO 6

; LENGTH: 534

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;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-159-353B-6

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Best Local Similarity 100.0%;
Matches 138; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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## RESULT 2

US-12-018-610-6

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; Sequence 6, Application US/12018610
; Patent No. 7612042
; GENERAL INFORMATION:
; APPLICANT: Maible, Nita
; APPLICANT: Lee, Hakjoo
; TITLE OF INVENTION: System and Method to Inhibit Heregulin Activated Processes and
; TITLE OF INVENTION: Other Methods Using Soluble ErbB3 and Method to Produce Soluble
; TITLE OF INVENTION: ErbB3
; FILE REFERENCE: 01-03Maible
; CURRENT APPLICATION NUMBER: US/12/018,610
; CURRENT FILING DATE: 2008-01-23
; PRIOR APPLICATION NUMBER: US/10/159,353B
; PRIOR FILING DATE: 2002-05-31
; PRIOR APPLICATION NUMBER: US 09/676,380
; PRIOR FILING DATE: 2000-09-29
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn version 3.2
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-12-018-610-6

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Matches 138; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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# RESULT 3

US-12-018-515B-6  
 ; Sequence 6, Application US/12018515B  
 ; Patent No. 7638302  
 ; GENERAL INFORMATION  
 ; APPLICANT: Maihle, Nita  
 ; TITLE OF INVENTION: Soluble ErbB3 Receptor Isoforms  
 ; FILE REFERENCE: 07-273 CONT  
 ; CURRENT APPLICATION NUMBER: US/12/018,515B  
 ; CURRENT FILING DATE: 2009-02-27  
 ; PRIOR APPLICATION NUMBER: US 10/159,353  
 ; PRIOR FILING DATE: 2002-05-31  
 ; NUMBER OF SEQ ID NOS: 8  
 ; SOFTWARE: PatentIn version 3.4  
 ; SEQ ID NO 6  
 ; LENGTH: 534  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-12-018-515B-6

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 Best Local Similarity 100.0%;  
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# RESULT 4

US-12-144-166-6  
 ; Sequence 6, Application US/12144166  
 ; Patent No. 7638303  
 ; GENERAL INFORMATION  
 ; APPLICANT: Maihle, Nita  
 ; APPLICANT: Lee, Hakjoo  
 ; TITLE OF INVENTION: System and Method to Inhibit Heregulin Activated Processes and  
 ; TITLE OF INVENTION: Other Methods Using Soluble ErbB3 and Method to Produce Soluble  
 ; TITLE OF INVENTION: ErbB3  
 ; FILE REFERENCE: 01-03Maihle  
 ; CURRENT APPLICATION NUMBER: US/12/144,166  
 ; CURRENT FILING DATE: 2008-06-23  
 ; PRIOR APPLICATION NUMBER: US/10/159,353B

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## RESULT 6

US-12-018-610-2

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; Sequence 2, Application US/12018610
; Patent No. 7612042
; GENERAL INFORMATION:
; APPLICANT: Maihle, Nita
; APPLICANT: Lee, Hakjoo
; TITLE OF INVENTION: System and Method to Inhibit Heregulin Activated Processes and
; TITLE OF INVENTION: Other Methods Using Soluble ErbB3 and Method to Produce Soluble
; TITLE OF INVENTION: ErbB3
; FILE REFERENCE: 01-03Maihle
; CURRENT APPLICATION NUMBER: US/12/018,610
; CURRENT FILING DATE: 2008-01-23
; PRIOR APPLICATION NUMBER: US/10/159,353B
; PRIOR FILING DATE: 2002-05-31
; PRIOR APPLICATION NUMBER: US 09/676,380
; PRIOR FILING DATE: 2000-09-29
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2
; LENGTH: 562
; TYPE: PRT
; ORGANISM: Homo sapiens
US-12-018-610-2
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Query Match          100.0%; Score 768; DB 3; Length 562;
Best Local Similarity 100.0%;
Matches 138; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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## RESULT 7

US-12-018-515B-2

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; Sequence 2, Application US/12018515B
; Patent No. 7638302
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; GENERAL INFORMATION
; APPLICANT: Maihle, Nita
; TITLE OF INVENTION: Soluble ErbB3 Receptor Isoforms
; FILE REFERENCE: 07-273 CONT
; CURRENT APPLICATION NUMBER: US/12/018,515B
; CURRENT FILING DATE: 2009-02-27
; PRIOR APPLICATION NUMBER: US 10/159,353
; PRIOR FILING DATE: 2002-05-31
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; SEQ ID NO 2
; LENGTH: 562
; TYPE: PRT
; ORGANISM: Homo sapiens
US-12-018-515B-2
```

```
Query Match          100.0%; Score 768; DB 3; Length 562;
Best Local Similarity 100.0%;
Matches 138; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      1 VCVASCPHNFVVDQTSCVRACPPDKMEVDKNGKMCPECGGLCPKACEGTGSGSRFQTVD 60
      |||
Db      285 VCVASCPHNFVVDQTSCVRACPPDKMEVDKNGKMCPECGGLCPKACEGTGSGSRFQTVD 344

Qy      61 SSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWPP 120
      |||
Db      345 SSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWPP 404

Qy      121 HMHNFSVFSNLTTIGGRS 138
      |||
Db      405 HMHNFSVFSNLTTIGGRS 422
```

# RESULT 8

```
US-12-144-166-2
; Sequence 2, Application US/12144166
; Patent No. 7638303
; GENERAL INFORMATION:
; APPLICANT: Maihle, Nita
; APPLICANT: Lee, Hakjoo
; TITLE OF INVENTION: System and Method to Inhibit Heregulin Activated Processes and
; TITLE OF INVENTION: Other Methods Using Soluble ErbB3 and Method to Produce Soluble
; TITLE OF INVENTION: ErbB3
; FILE REFERENCE: 01-03Maihle
; CURRENT APPLICATION NUMBER: US/12/144,166
; CURRENT FILING DATE: 2008-06-23
; PRIOR APPLICATION NUMBER: US/10/159,353B
; PRIOR FILING DATE: 2002-05-31
; PRIOR APPLICATION NUMBER: US 09/676,380
; PRIOR FILING DATE: 2000-09-29
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2
; LENGTH: 562
; TYPE: PRT
; ORGANISM: Homo sapiens
US-12-144-166-2
```

Query Match 100.0%; Score 768; DB 3; Length 562;  
 Best Local Similarity 100.0%;  
 Matches 138; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

Qy      1 VCVASCPHNFVVDQTSCVRACPPDKMEVDKGLKMCCEPCCGLCPKACEGTGSGSRFQTVD 60
      ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      285 VCVASCPHNFVVDQTSCVRACPPDKMEVDKGLKMCCEPCCGLCPKACEGTGSGSRFQTVD 344

Qy      61 SSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWPP 120
      ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      345 SSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWPP 404

Qy      121 HMHNFSVFSNLTTIGGRS 138
      ||||||||||||||||
Db      405 HMHNFSVFSNLTTIGGRS 422

```

## RESULT 9

US-11-209-187-3

; Sequence 3, Application US/11209187  
 ; Patent No. 7449559  
 ; GENERAL INFORMATION:  
 ; APPLICANT: CSIRO Molecular and Health Technologies  
 ; TITLE OF INVENTION: Truncated EGF Receptor  
 ; FILE REFERENCE: 502897  
 ; CURRENT APPLICATION NUMBER: US/11/209,187  
 ; CURRENT FILING DATE: 2007-08-08  
 ; NUMBER OF SEQ ID NOS: 4  
 ; SOFTWARE: PatentIn version 3.3  
 ; SEQ ID NO 3  
 ; LENGTH: 624  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-11-209-187-3

Query Match 100.0%; Score 768; DB 3; Length 624;  
 Best Local Similarity 100.0%;  
 Matches 138; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

Qy      1 VCVASCPHNFVVDQTSCVRACPPDKMEVDKGLKMCCEPCCGLCPKACEGTGSGSRFQTVD 60
      ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      266 VCVASCPHNFVVDQTSCVRACPPDKMEVDKGLKMCCEPCCGLCPKACEGTGSGSRFQTVD 325

Qy      61 SSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWPP 120
      ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      326 SSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWPP 385

Qy      121 HMHNFSVFSNLTTIGGRS 138
      ||||||||||||||||
Db      386 HMHNFSVFSNLTTIGGRS 403

```

## RESULT 10

US-07-978-895-4

; Sequence 4, Application US/07978895  
 ; Patent No. 5480968

```

; GENERAL INFORMATION:
; APPLICANT: Kraus, Matthias H.
; APPLICANT: Aaronson, Stuart A.
; TITLE OF INVENTION: AN ISOLATED POLYPEPTIDE RELATED TO THE
; TITLE OF INVENTION: EPIDERMAL GROWTH FACTOR RECEPTOR, ANTIGEN THERETO, AND
; TITLE OF INVENTION: BIOASSAYS AND METHODS RELATED THERETO
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Suite 400
; STREET: 133 Carnegie Way, N.W.
; CITY: Atlanta
; STATE: Georgia
; COUNTRY: U.S.A.
; ZIP: 30303
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/978,895
; FILING DATE: 19921110
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/444,406
; FILING DATE: 01-DEC-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Perryman, David G.
; REGISTRATION NUMBER: 33,438
; REFERENCE/DOCKET NUMBER: 1414-028
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (404) 688-0770
; TELEFAX: (404) 688-9880
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1342 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-07-978-895-4

```

Query Match 100.0%; Score 768; DB 1; Length 1342;  
 Best Local Similarity 100.0%;  
 Matches 138; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

Qy      1 VCVASCPHNFVVDQTSCVRACPPDKMEVDKNGLMKCEPCGGGLCPKACEGTGSGSRFQTVD 60
      |||
Db      285 VCVASCPHNFVVDQTSCVRACPPDKMEVDKNGLMKCEPCGGGLCPKACEGTGSGSRFQTVD 344

Qy      61 SSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWPP 120
      |||
Db      345 SSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWPP 404

Qy      121 HMHNFVSFVSNLTTIGGRS 138
      |||
Db      405 HMHNFVSFVSNLTTIGGRS 422

```

RESULT 11

US-08-484-438-9

```
; Sequence 9, Application US/08484438
; Patent No. 5811098
; Patent No. 5811098 5780031
; GENERAL INFORMATION:
; APPLICANT: Plowman, Gregory D.
; APPLICANT: Culouscou, Jean-Michel
; APPLICANT: Shoyab, Mohammed
; APPLICANT: Siegall, Clay B.
; APPLICANT: Hellstr m, Ingegerd
; APPLICANT: Hellstr m, Karl E.
; TITLE OF INVENTION: HER4 HUMAN RECEPTOR TYROSINE KINASE
; NUMBER OF SEQUENCES: 42
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/484,438
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/323,442
; FILING DATE: 14-OCT-1994
; APPLICATION NUMBER: US 08/150,704
; FILING DATE: 10-NOV-1993
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/981,165
; FILING DATE: 24-NOV-1992
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Misrock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-230
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1342 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
```

US-08-484-438-9

Query Match 100.0%; Score 768; DB 1; Length 1342;  
 Best Local Similarity 100.0%;  
 Matches 138; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

Qy      1 VCVASCPHNFVVDQTSVCRACPPDKMEVDKNGLKMCEPCGGLCPKACEGTGSGSRFQTVD 60
      |||
Db      285 VCVASCPHNFVVDQTSVCRACPPDKMEVDKNGLKMCEPCGGLCPKACEGTGSGSRFQTVD 344

Qy      61 SSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWPP 120
      |||
Db      345 SSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWPP 404

Qy      121 HMHNFSVFSNLTTIGGRS 138
      |||
Db      405 HMHNFSVFSNLTTIGGRS 422
  
```

## RESULT 12

US-08-473-119-4

; Sequence 4, Application US/08473119

; Patent No. 5820859

## ; GENERAL INFORMATION:

; APPLICANT: Kraus, Matthias H.

; APPLICANT: Aaronson, Stuart A.

; TITLE OF INVENTION: AN ISOLATED POLYPEPTIDE RELATED TO THE

; TITLE OF INVENTION: EPIDERMAL GROWTH FACTOR RECEPTOR, ANTIGEN THERETO, AND

; TITLE OF INVENTION: BIOASSAYS AND METHODS RELATED THERETO

; NUMBER OF SEQUENCES: 12

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Suite 400

; STREET: 133 Carnegie Way, N.W.

; CITY: Atlanta

; STATE: Georgia

; COUNTRY: U.S.A.

; ZIP: 30303

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/473,119

; FILING DATE: 07-JUN-1995

; CLASSIFICATION: 424

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 07/978,895

; FILING DATE: 10-NOV-1992

; APPLICATION NUMBER: US 07/444,406

; FILING DATE: 01-DEC-1989

; ATTORNEY/AGENT INFORMATION:

; NAME: Perryman, David G.

; REGISTRATION NUMBER: 33,438

; REFERENCE/DOCKET NUMBER: 1414-028

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (404) 688-0770

; TELEFAX: (404) 688-9880

[http://es.ScoreAccessWeb/GetItem.action?AppId=10516...0-516-759a-16\\_copy\\_2\\_139.ra1&ItemType=4&startByte=0 \(14 of 125\)11/20/2010 6:26:14 PM](http://es.ScoreAccessWeb/GetItem.action?AppId=10516...0-516-759a-16_copy_2_139.ra1&ItemType=4&startByte=0 (14 of 125)11/20/2010 6:26:14 PM)

[http://es.ScoreAccessWeb/GetItem.action?AppId=10516...0-516-759a-16\\_copy\\_2\\_139.ra1&ItemType=4&startByte=0](http://es.ScoreAccessWeb/GetItem.action?AppId=10516...0-516-759a-16_copy_2_139.ra1&ItemType=4&startByte=0) (15 of 125)11/20/2010 6:26:14 PM

```

; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/978,895
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Perryman, David G.
; REGISTRATION NUMBER: 33,438
; REFERENCE/DOCKET NUMBER: 1414-028
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (404) 688-0770
; TELEFAX: (404) 688-9880
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1342 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-170-699-4

```

Query Match 100.0%; Score 768; DB 2; Length 1342;  
Best Local Similarity 100.0%;  
Matches 138; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

Qy      1  VCVASCPHNHVVVDQTSVCVRACPPDKMEVDKNGLKMCCEPCCGLCPKACEGTGSSGRFQTVD  60
      |||
Db      285 VCVASCPHNHVVVDQTSVCVRACPPDKMEVDKNGLKMCCEPCCGLCPKACEGTGSSGRFQTVD  344
      |||

Qy      61  SSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWPP  120
      |||
Db      345  SSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWPP  404
      |||

Qy      121  HMMHNFSVFSNLTTIGGRS  138
      |||
Db      405  HMMHNFSVFSNLTTIGGRS  422

```

RESULT 15

```

US-10-207-498-2
; Sequence 2, Application US/10207498
; Patent No. 7125680
; GENERAL INFORMATION:
; APPLICANT: Elizabeth Singer
; APPLICANT: Ralf Landgraf
; APPLICANT: Dennis J. Slamon
; APPLICANT: David Eisenberg
; TITLE OF INVENTION: METHODS AND MATERIALS FOR CHARACTERIZING
; TITLE OF INVENTION: AND MODULATING INTERACTIONS BETWEEN HERGULIN AND HER3
; FILE REFERENCE: 30448.103-US-U1
; CURRENT APPLICATION NUMBER: US/10/207,498
; CURRENT FILING DATE: 2002-07-29
; PRIOR APPLICATION NUMBER: 60/308,431
; PRIOR FILING DATE: 2001-07-27
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 1342

```



; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-207-498-2

Query Match 100.0%; Score 768; DB 3; Length 1342;  
 Best Local Similarity 100.0%;  
 Matches 138; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 VCVASCPHNFVVDQTSCVRACPPDKMEVDKNGLMKCEPCGGLCPKACEGTGSGSRFQTV D 60  
 ||||||||||||||||||||||||||||||||||||||||||||  
 Db 285 VCVASCPHNFVVDQTSCVRACPPDKMEVDKNGLMKCEPCGGLCPKACEGTGSGSRFQTV D 344  
 Qy 61 SSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWPP 120  
 ||||||||||||||||||||||||||||||||||||||||||||  
 Db 345 SSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWPP 404  
 Qy 121 HMHNFSVFSNLTTIGGRS 138  
 ||||||||||||||||  
 Db 405 HMHNFSVFSNLTTIGGRS 422

## RESULT 16

US-11-406-679-2

; Sequence 2, Application US/11406679

; Patent No. 7314916

; GENERAL INFORMATION:

; APPLICANT: Elizabeth Singer

; APPLICANT: Ralf Landgraf

; APPLICANT: Dennis J. Slamon

; APPLICANT: David Eisenberg

; TITLE OF INVENTION: METHODS AND MATERIALS FOR CHARACTERIZING

; TITLE OF INVENTION: AND MODULATING INTERACTIONS BETWEEN HEREGULIN AND HER3

; FILE REFERENCE: 30448.103-US-U1

; CURRENT APPLICATION NUMBER: US/11/406,679

; CURRENT FILING DATE: 2006-04-19

; PRIOR APPLICATION NUMBER: US/10/207,498

; PRIOR FILING DATE: 2002-07-29

; PRIOR APPLICATION NUMBER: 60/308,431

; PRIOR FILING DATE: 2001-07-27

; NUMBER OF SEQ ID NOS: 24

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 2

; LENGTH: 1342

; TYPE: PRT

; ORGANISM: Homo sapiens

US-11-406-679-2

Query Match 100.0%; Score 768; DB 3; Length 1342;  
 Best Local Similarity 100.0%;  
 Matches 138; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 VCVASCPHNFVVDQTSCVRACPPDKMEVDKNGLMKCEPCGGLCPKACEGTGSGSRFQTV D 60  
 ||||||||||||||||||||||||||||||||||||||||||||  
 Db 285 VCVASCPHNFVVDQTSCVRACPPDKMEVDKNGLMKCEPCGGLCPKACEGTGSGSRFQTV D 344  
 Qy 61 SSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWPP 120  
 ||||||||||||||||||||||||||||||||||||||||||||

```
Db          345 SSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWPP 404

Qy          121 HMMNFSVFSNLTTIGGRS 138
            |||
Db          405 HMMNFSVFSNLTTIGGRS 422
```

# RESULT 17

```
US-10-503-486-6
; Sequence 6, Application US/10503486
; Patent No. 7514240
; GENERAL INFORMATION:
; APPLICANT: Japan Science and Technology Corporation
; APPLICANT: Riken
; APPLICANT: Mochida Pharmaceutical CO., LTD.
; TITLE OF INVENTION: EGF/EGFR Complex
; FILE REFERENCE: PH-1639-PCT
; CURRENT APPLICATION NUMBER: US/10/503,486
; CURRENT FILING DATE: 2004-08-05
; PRIOR APPLICATION NUMBER: JP 2002-28780
; PRIOR FILING DATE: 2002-02-05
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 1342
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-503-486-6
```

```
Query Match          100.0%; Score 768; DB 3; Length 1342;
Best Local Similarity 100.0%;
Matches 138; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy          1 VCVASCPHNFVVDQTSCVRACPPDKMEVDKNGLKMCEPCGGLCPKACEGTGSGSRFQTV D 60
            |||
Db          285 VCVASCPHNFVVDQTSCVRACPPDKMEVDKNGLKMCEPCGGLCPKACEGTGSGSRFQTV D 344

Qy          61 SSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWPP 120
            |||
Db          345 SSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWPP 404

Qy          121 HMMNFSVFSNLTTIGGRS 138
            |||
Db          405 HMMNFSVFSNLTTIGGRS 422
```

# RESULT 18

```
US-10-563-888A-2
; Sequence 2, Application US/10563888A
; Patent No. 7531649
; GENERAL INFORMATION:
; APPLICANT: Chi-Hong B. Chen
; APPLICANT: Ralf Landgraf
; TITLE OF INVENTION: APTAMERS TO HUMAN EPIDERMAL GROWTH
; TITLE OF INVENTION: FACTOR RECEPTOR-3
; FILE REFERENCE: 3044810USWO
; CURRENT APPLICATION NUMBER: US/10/563,888A
```

```
; CURRENT FILING DATE: 2006-01-09
; PRIOR APPLICATION NUMBER: 60/488,679
; PRIOR FILING DATE: 2003-07-18
; PRIOR APPLICATION NUMBER: PCT/US04/23039
; PRIOR FILING DATE: 2004-07-16
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 1342
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-563-888A-2
```

```
Query Match      100.0%; Score 768; DB 3; Length 1342;
Best Local Similarity 100.0%;
Matches 138; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      1 VCVASCPHNFVVDQTSVCRACPPDKMEVDKNGLKMCEPCGGLCPKACEGTGSGSRFQTV D 60
      |||
Db      285 VCVASCPHNFVVDQTSVCRACPPDKMEVDKNGLKMCEPCGGLCPKACEGTGSGSRFQTV D 344

Qy      61 SSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWPP 120
      |||
Db      345 SSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWPP 404

Qy      121 HMHNFSVFSNLTTIGGRS 138
      |||
Db      405 HMHNFSVFSNLTTIGGRS 422
```

# RESULT 19

```
US-09-949-016-8022
; Sequence 8022, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 8022
; LENGTH: 1360
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-8022
```

```
Query Match      100.0%; Score 768; DB 2; Length 1360;
Best Local Similarity 100.0%;
```

Matches 138; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

Qy      1 VCVASCPHNFVVDQTSCVRACPPDKMEVDKGLKMCPCGGLCPKACEGTGSGSRFQTV 60
      |||
Db      303 VCVASCPHNFVVDQTSCVRACPPDKMEVDKGLKMCPCGGLCPKACEGTGSGSRFQTV 362

Qy      61 SSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWP 120
      |||
Db      363 SSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWP 422

Qy      121 HMHNFSVFSNLTTIGGRS 138
      |||
Db      423 HMHNFSVFSNLTTIGGRS 440

```

## RESULT 20

5183884-4

;Patent No. 5183884

```

; APPLICANT: KRAUS, MATTHIAS H.;AARONSON, STUART A.
; TITLE OF INVENTION: DNA SEGMENT ENCODING A GENE FOR A
; RECEPTOR RELATED TO THE EPIDERMAL GROWTH FACTOR RECEPTOR
; NUMBER OF SEQUENCES: 5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/444,406
; FILING DATE: 01-DEC-1989
; SEQ ID NO:4:
; LENGTH: 1343
5183884-4

```

Query Match 98.6%; Score 757.5; DB 7; Length 1343;  
 Best Local Similarity 99.3%;  
 Matches 138; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

```

Qy      1 VCVASCPHNFVVDQTSCVRACPPDKMEVDKGLKMCPCGGLCPKACEG-TGSGSRFQTV 59
      |||
Db      285 VCVASCPHNFVVDQTSCVRACPPDKMEVDKGLKMCPCGGLCPKACEGTGSGSRFQTV 344

Qy      60 DSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWP 119
      |||
Db      345 DSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWP 404

Qy      120 PHMHNFSVFSNLTTIGGRS 138
      |||
Db      405 PHMHNFSVFSNLTTIGGRS 423

```

## RESULT 21

US-10-362-380-4

```

; Sequence 4, Application US/10362380
; Patent No. 7332579
; GENERAL INFORMATION:
; APPLICANT: GENENTECH, INC.
; APPLICANT: Gerritsen, Mary
; APPLICANT: Sliwowski, Mark X.
; TITLE OF INVENTION: ErbB4 ANTAGONISTS
; FILE REFERENCE: 39766-0072 US
; CURRENT APPLICATION NUMBER: US/10/362,380

```

```

; CURRENT FILING DATE: 2003-08-06
; PRIOR APPLICATION NUMBER: 60/229,679
; PRIOR FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: 60/265,516
; PRIOR FILING DATE: 2001-01-31
; PRIOR APPLICATION NUMBER: 09/940,101
; PRIOR FILING DATE: 2001-08-27
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 615
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-362-380-4

```

```

Query Match          73.6%; Score 565; DB 3; Length 615;
Best Local Similarity 73.2%;
Matches 101; Conservative 18; Mismatches 17; Indels 2; Gaps 1;

```

```

Qy      2 CVASCPHNFVVDQTSVCVRACPPDKMEVDKNGLKMCEPCGGGLCPKACEGTGSGSRF--QTV 59
        || ||||| :||| ||| :||: ||: || :|||: | |: || ||
Db      264 CVKKCPHNFVVDSSSCVRACPPSSKMEVEENGIKMKCPCTDICPKACDGIGTGSLSMAQTV 323

Qy      60 DSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWP 119
        ||||| |: ||| || ||: ||: ||: | |: ||||| ||||| :||| ||
Db      324 DSSNIDKFINCTKINGNLIFLVTGIHGDPYNAIEAIDPEKLNVFRTVREITGFLNIQSWP 383

Qy      120 PHMHNFSVFSNLTTIGGR 137
        |:| :||| ||| |||
Db      384 PNMTDFSVSFNLVTIGGR 401

```

## RESULT 22

```

US-11-209-187-4
; Sequence 4, Application US/11209187
; Patent No. 7449559
; GENERAL INFORMATION:
; APPLICANT: CSIRO Molecular and Health Technologies
; TITLE OF INVENTION: Truncated EGF Receptor
; FILE REFERENCE: 502897
; CURRENT APPLICATION NUMBER: US/11/209,187
; CURRENT FILING DATE: 2007-08-08
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 4
; LENGTH: 626
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-209-187-4

```

```

Query Match          73.6%; Score 565; DB 3; Length 626;
Best Local Similarity 73.2%;
Matches 101; Conservative 18; Mismatches 17; Indels 2; Gaps 1;

```

```

Qy      2 CVASCPHNFVVDQTSVCVRACPPDKMEVDKNGLKMCEPCGGGLCPKACEGTGSGSRF--QTV 59
        || ||||| :||| ||| :||: ||: || :|||: | |: || ||
Db      264 CVKKCPHNFVVDSSSCVRACPPSSKMEVEENGIKMKCPCTDICPKACDGIGTGSLSMAQTV 323

```

Qy 60 DSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWP 119  
 ||||| |:|||| | | ||:|::|||: | |:|||||||||||||||:|||||  
 Db 324 DSSNIDKFINCTKINGNLIFLVTGIHGDPYNAIEAIDPEKLNVFRTVREITGFLNIQSWP 383  
 Qy 120 PHMHNFVSFVSNLTTIGGR 137  
 |:| :||||| |||||  
 Db 384 PNMTDFSVFSNLVTIGGR 401

RESULT 23

US-08-484-438-10

; Sequence 10, Application US/08484438

; Patent No. 5811098

; Patent No. 5811098 5780031

; GENERAL INFORMATION:

; APPLICANT: Flowman, Gregory D.

; APPLICANT: Culouscou, Jean-Michel

; APPLICANT: Shoyab, Mohammed

; APPLICANT: Siegall, Clay B.

; APPLICANT: Hellstr m, Ingegerd

; APPLICANT: Hellstr m, Karl E.

; TITLE OF INVENTION: HER4 HUMAN RECEPTOR TYROSINE KINASE

; NUMBER OF SEQUENCES: 42

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Pennie & Edmonds

; STREET: 1155 Avenue of the Americas

; CITY: New York

; STATE: New York

; COUNTRY: U.S.A.

; ZIP: 10036-2711

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/484,438

; FILING DATE: 07-JUN-1995

; CLASSIFICATION: 530

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/323,442

; FILING DATE: 14-OCT-1994

; APPLICATION NUMBER: US 08/150,704

; FILING DATE: 10-NOV-1993

; CLASSIFICATION: 530

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/981,165

; FILING DATE: 24-NOV-1992

; CLASSIFICATION: 530

; ATTORNEY/AGENT INFORMATION:

; NAME: Misrock, S. Leslie

; REGISTRATION NUMBER: 18,872

; REFERENCE/DOCKET NUMBER: 5624-230

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (212) 790-9090

; TELEFAX: (212) 869-8864/9741

```

;       TELEX: 66141 PENNIE
;   INFORMATION FOR SEQ ID NO: 10:
;   SEQUENCE CHARACTERISTICS:
;       LENGTH: 911 amino acids
;       TYPE: amino acid
;       STRANDEDNESS: unknown
;       TOPOLOGY: unknown
;   MOLECULE TYPE: protein
US-08-484-438-10

```

```

Query Match      73.6%; Score 565; DB 1; Length 911;
Best Local Similarity 73.2%;
Matches 101; Conservative 18; Mismatches 17; Indels 2; Gaps 1;

```

```

Qy      2 CVASCPHNFVVDQTSVCVRACPPDKMEVDKNGKLMCEPCGGGLCPKACEGTGSGSRF--QTV 59
      || ||||| :||| |||::||:|:|:| :|||:| |:| |||
Db     289 CVKKCPHNFVVDSSSCVRACPSKMEVEENGKMKCKPCTDICKPACDGIGTGSLMSAQTV 348

Qy     60 DSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVRFTVREITGYLNIQSWP 119
      ||||| |:||| || ||:|:|:|:|:| |:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|
Db     349 DSSNIDKFINCTKINGNLIFLVTGIHGDPYNAIEADPEKLNVRFTVREITGFLNIQSWP 408

Qy     120 PHMHNFVSFNSLTTIGGR 137
      |:| :||| ||||
Db     409 PNMTDFVSFNSLVTIGGR 426

```

## RESULT 24

US-08-484-438-4

; Sequence 4, Application US/08484438

; Patent No. 5811098

; Patent No. 5811098 5780031

; GENERAL INFORMATION:

; APPLICANT: Plowman, Gregory D.

; APPLICANT: Culouscou, Jean-Michel

; APPLICANT: Shoyab, Mohammed

; APPLICANT: Siegall, Clay B.

; APPLICANT: Hellstr m, Ingegerd

; APPLICANT: Hellstr m, Karl E.

; TITLE OF INVENTION: HER4 HUMAN RECEPTOR TYROSINE KINASE

; NUMBER OF SEQUENCES: 42

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Pennie &amp; Edmonds

; STREET: 1155 Avenue of the Americas

; CITY: New York

; STATE: New York

; COUNTRY: U.S.A.

; ZIP: 10036-2711

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/484,438

; FILING DATE: 07-JUN-1995

; CLASSIFICATION: 530

```

; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/323,442
; FILING DATE: 14-OCT-1994
; APPLICATION NUMBER: US 08/150,704
; FILING DATE: 10-NOV-1993
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/981,165
; FILING DATE: 24-NOV-1992
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Misrock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-230
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1058 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-484-438-4

```

Query Match 73.6%; Score 565; DB 1; Length 1058;  
 Best Local Similarity 73.2%;  
 Matches 101; Conservative 18; Mismatches 17; Indels 2; Gaps 1;

```

Qy      2 CVASCPHNFVVDQTSVCVRACPPDKMEVDKNGLKMCPCGGCLCPKACEGTGSGSRF--QTV 59
      || ||||| :||| |||::||:|:| :|||:| :| ||
Db      289 CVKKCPHNFVVDSSSCVRACPSKMEVEENGIMCKPCTDICPKACDGIGTGSLSAQTV 348

Qy      60 DSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWP 119
      ||||| |:||| || ||:|:|:|:| | |:||| |||||:|||||
Db      349 DSSNIDKFINCTKINGNLIFLVTGIHGDPYNAIEAIDPEKLNVFRTVREITGFLNIQSWP 408

Qy      120 PHMHNFSVFSNLTTIGGR 137
      |:| :||| ||||
Db      409 PNMTDFSVFSNLVTIGGR 426

```

## RESULT 25

US-08-484-438-2

```

; Sequence 2, Application US/08484438
; Patent No. 5811098
; Patent No. 5811098 5780031
; GENERAL INFORMATION:

```

```

; APPLICANT: Plowman, Gregory D.
; APPLICANT: Culouscou, Jean-Michel
; APPLICANT: Shoyab, Mohammed
; APPLICANT: Siegall, Clay B.
; APPLICANT: Hellstr m, Ingegerd
; APPLICANT: Hellstr m, Karl E.
; TITLE OF INVENTION: HER4 HUMAN RECEPTOR TYROSINE KINASE
; NUMBER OF SEQUENCES: 42

```



```

;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE:  Pennie & Edmonds
;   STREET:    1155 Avenue of the Americas
;   CITY:      New York
;   STATE:     New York
;   COUNTRY:   U.S.A.
;   ZIP:       10036-2711
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE:  Floppy disk
;   COMPUTER:     IBM PC compatible
;   OPERATING SYSTEM:  PC-DOS/MS-DOS
;   SOFTWARE:     PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER:  US/08/484,438
;   FILING DATE:        07-JUN-1995
;   CLASSIFICATION:     530
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER:  08/323,442
;   FILING DATE:        14-OCT-1994
;   APPLICATION NUMBER:  US 08/150,704
;   FILING DATE:        10-NOV-1993
;   CLASSIFICATION:     530
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER:  US 07/981,165
;   FILING DATE:        24-NOV-1992
;   CLASSIFICATION:     530
;   ATTORNEY/AGENT INFORMATION:
;   NAME:              Misrock, S. Leslie
;   REGISTRATION NUMBER: 18,872
;   REFERENCE/DOCKET NUMBER: 5624-230
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE:         (212) 790-9090
;   TELEFAX:           (212) 869-8864/9741
;   TELEX:              66141 PENNIE
;   INFORMATION FOR SEQ ID NO: 2:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH:            1308 amino acids
;   TYPE:               amino acid
;   TOPOLOGY:          linear
;   MOLECULE TYPE:      protein
US-08-484-438-2

```

Query Match 73.6%; Score 565; DB 1; Length 1308;  
 Best Local Similarity 73.2%;  
 Matches 101; Conservative 18; Mismatches 17; Indels 2; Gaps 1;

```

Qy      2  CVASCPHNFVVDQTSVCVRACPPDKMEVDKNGLKMCPECGGLCPKACEGTGSGSRF--QTV 59
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      289 CVKKCPHNFVVDSSSCVRACPPSSKMEVEENGKMKCPCTDICPKACDGIGTGLMSAQTV 348

Qy      60  DSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWP 119
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      349 DSSNIDKFINCTKINGNLIFLVTGIHGDYPYNAIEAIDPEKLNVFRTVREITGFLNIQSWP 408

Qy      120 PHMHNFSVFSNLTTIGGR 137
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      409 PNMTDFSVSFNLVTIGGR 426

```

## RESULT 26

US-10-394-322A-18

; Sequence 18, Application US/10394322A  
 ; Patent No. 7202033  
 ; GENERAL INFORMATION:  
 ; APPLICANT: SUNESIS PHARMACEUTICALS, INC.  
 ; APPLICANT: Prescott, John C.  
 ; TITLE OF INVENTION: IDENTIFICATION OF KINASE INHIBITORS  
 ; FILE REFERENCE: 39750-0006 US  
 ; CURRENT APPLICATION NUMBER: US/10/394,322A  
 ; CURRENT FILING DATE: 2003-03-20  
 ; PRIOR APPLICATION NUMBER: US 60/366,892  
 ; PRIOR FILING DATE: 2002-03-21  
 ; NUMBER OF SEQ ID NOS: 70  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO 18  
 ; LENGTH: 1308  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens

US-10-394-322A-18

Query Match 73.6%; Score 565; DB 3; Length 1308;  
 Best Local Similarity 73.2%;  
 Matches 101; Conservative 18; Mismatches 17; Indels 2; Gaps 1;

Qy	2	CVASCPHNFVVDQTSVCVRACPPDKMEVDKNGLKMCPECGGLCPKACBGTGSGSRF--QTV	59
		:                     :     :     :     :	
Db	289	CVKKCPHNFVVDSSSCVRACPPSSKMEVEENGKMKCKPCTDICPKACDGIGTGSLSAQT	348
Qy	60	DSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWP	119
Db	349	DSSNIDKFINCTKINGNLIFLVTGIHGDPYNAIEAIDPEKLNVFRTVREITGFLNIQSWP	408
Qy	120	PHMHNFSVFSNLTTIGGR	137
		:   :	
Db	409	PNMTDFSVFSNLVTIGGR	426

## RESULT 27

US-10-362-380-2

; Sequence 2, Application US/10362380  
 ; Patent No. 7332579  
 ; GENERAL INFORMATION:  
 ; APPLICANT: GENENTECH, INC.  
 ; APPLICANT: Gerritsen, Mary  
 ; APPLICANT: Sliwowski, Mark X.  
 ; TITLE OF INVENTION: ErbB4 ANTAGONISTS  
 ; FILE REFERENCE: 39766-0072 US  
 ; CURRENT APPLICATION NUMBER: US/10/362,380  
 ; CURRENT FILING DATE: 2003-08-06  
 ; PRIOR APPLICATION NUMBER: 60/229,679  
 ; PRIOR FILING DATE: 2000-09-01  
 ; PRIOR APPLICATION NUMBER: 60/265,516  
 ; PRIOR FILING DATE: 2001-01-31  
 ; PRIOR APPLICATION NUMBER: 09/940,101

; PRIOR FILING DATE: 2001-08-27  
; NUMBER OF SEQ ID NOS: 4  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 2  
; LENGTH: 1308  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-362-380-2

Query Match 73.6%; Score 565; DB 3; Length 1308;  
Best Local Similarity 73.2%;  
Matches 101; Conservative 18; Mismatches 17; Indels 2; Gaps 1;

Qy 2 CVASCPHNFVVDQTSVCVRACPPDKMEVDKNGLMKCEPCGGGLCPKACEGTGSGSRF--QTV 59  
|| ||||| :||||| ||||:|:|:|:|:|:|:|:|:| ||  
Db 289 CVKKCPHNFVVDSSSCVRACPPSKMEVEENGIMKCKPCTDICKACDGIGTGLMSAQTV 348  
  
Qy 60 DSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWP 119  
||||| |:|||| || |:|:|:|:|:|:| |:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|  
Db 349 DSSNIDKFINCTKINGNLIFLVTGIHGDPYNAIEAIDPEKLNVFRTVREITGFLNIQSWP 408  
  
Qy 120 PHMHNFSVFSNLTIGGR 137  
|:| :||||| |||||  
Db 409 PNMTDFSVSFNLVTIGGR 426

## RESULT 28

US-10-503-486-7

; Sequence 7, Application US/10503486  
; Patent No. 7514240  
; GENERAL INFORMATION:  
; APPLICANT: Japan Science and Technology Corporation  
; APPLICANT: Riken  
; APPLICANT: Mochida Pharmaceutical CO., LTD.  
; TITLE OF INVENTION: EGF/EGFR Complex  
; FILE REFERENCE: PH-1639-PCT  
; CURRENT APPLICATION NUMBER: US/10/503,486  
; CURRENT FILING DATE: 2004-08-05  
; PRIOR APPLICATION NUMBER: JP 2002-28780  
; PRIOR FILING DATE: 2002-02-05  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 7  
; LENGTH: 1308  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-503-486-7

Query Match 73.6%; Score 565; DB 3; Length 1308;  
Best Local Similarity 73.2%;  
Matches 101; Conservative 18; Mismatches 17; Indels 2; Gaps 1;

Qy 2 CVASCPHNFVVDQTSVCVRACPPDKMEVDKNGLMKCEPCGGGLCPKACEGTGSGSRF--QTV 59  
|| ||||| :||||| ||||:|:|:|:|:|:|:|:|:| ||  
Db 289 CVKKCPHNFVVDSSSCVRACPPSKMEVEENGIMKCKPCTDICKACDGIGTGLMSAQTV 348  
  
Qy 60 DSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWP 119

```

          ||||| |:||| || ||:|::|||: | |:|||||||:|||||
Db      349 DSSNIDKF INCTKINGNLIFLVTGIHGDPYNAIEAIDPEKLNVFRTVREITGFLNIQSWF 408

Qy      120 PHMHNFSVFSNLTTIGGR 137
          |:| :||||| |||||
Db      409 PNMTDFSVSFNLVTIGGR 426

```

## RESULT 29

US-10-159-353B-8

; Sequence 8, Application US/10159353B

; Patent No. 7390632

; GENERAL INFORMATION:

; APPLICANT: Maihle, Nita

; APPLICANT: Lee, Hakjoo

; TITLE OF INVENTION: System and Method to Inhibit Heregulin Activated Processes and

; TITLE OF INVENTION: Other Methods Using Soluble ErbB3 and Method to Produce Soluble

; TITLE OF INVENTION: ErbB3

; FILE REFERENCE: 01-03Maihle

; CURRENT APPLICATION NUMBER: US/10/159,353B

; CURRENT FILING DATE: 2002-05-31

; PRIOR APPLICATION NUMBER: US 09/676,380

; PRIOR FILING DATE: 2000-09-29

; NUMBER OF SEQ ID NOS: 8

; SOFTWARE: PatentIn version 3.2

; SEQ ID NO 8

; LENGTH: 400

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-159-353B-8

Query Match 62.4%; Score 479; DB 3; Length 400;

Best Local Similarity 100.0%;

Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

Qy      1 VCVASCPHNFVVDQTSCVRACPPDKMEVDKNGLKMCCEPGLCPKACEGTGSGSRFQTVD 60
          |||||
Db      285 VCVASCPHNFVVDQTSCVRACPPDKMEVDKNGLKMCCEPGLCPKACEGTGSGSRFQTVD 344

Qy      61 SSNIDGFVNCTKILGNLDFLITGLNG 86
          |||||
Db      345 SSNIDGFVNCTKILGNLDFLITGLNG 370

```

## RESULT 30

US-12-018-610-8

; Sequence 8, Application US/12018610

; Patent No. 7612042

; GENERAL INFORMATION:

; APPLICANT: Maihle, Nita

; APPLICANT: Lee, Hakjoo

; TITLE OF INVENTION: System and Method to Inhibit Heregulin Activated Processes and

; TITLE OF INVENTION: Other Methods Using Soluble ErbB3 and Method to Produce Soluble

; TITLE OF INVENTION: ErbB3

; FILE REFERENCE: 01-03Maihle

; CURRENT APPLICATION NUMBER: US/12/018,610

; CURRENT FILING DATE: 2008-01-23

```
; PRIOR APPLICATION NUMBER: US/10/159,353B
; PRIOR FILING DATE: 2002-05-31
; PRIOR APPLICATION NUMBER: US 09/676,380
; PRIOR FILING DATE: 2000-09-29
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 8
; LENGTH: 400
; TYPE: PRT
; ORGANISM: Homo sapiens
US-12-018-610-8
```

Query Match 62.4%; Score 479; DB 3; Length 400;  
 Best Local Similarity 100.0%;  
 Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy      1 VCVASCPHNFVVDQTSCVRACPPDKMEVDKGLKMCPECGGLCPKACEGTGSGSRFQTV D 60
      |||
Db      285 VCVASCPHNFVVDQTSCVRACPPDKMEVDKGLKMCPECGGLCPKACEGTGSGSRFQTV D 344

Qy      61 SSNIDGFVNCTKILGNLDFLITGLNG 86
      |||
Db      345 SSNIDGFVNCTKILGNLDFLITGLNG 370
```

#### RESULT 31

```
US-12-018-515B-8
; Sequence 8, Application US/12018515B
; Patent No. 7638302
; GENERAL INFORMATION
; APPLICANT: Maihle, Nita
; TITLE OF INVENTION: Soluble ErbB3 Receptor Isoforms
; FILE REFERENCE: 07-273 CONT
; CURRENT APPLICATION NUMBER: US/12/018,515B
; CURRENT FILING DATE: 2009-02-27
; PRIOR APPLICATION NUMBER: US 10/159,353
; PRIOR FILING DATE: 2002-05-31
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn version 3.4
; SEQ ID NO 8
; LENGTH: 400
; TYPE: PRT
; ORGANISM: Homo sapiens
US-12-018-515B-8
```

Query Match 62.4%; Score 479; DB 3; Length 400;  
 Best Local Similarity 100.0%;  
 Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy      1 VCVASCPHNFVVDQTSCVRACPPDKMEVDKGLKMCPECGGLCPKACEGTGSGSRFQTV D 60
      |||
Db      285 VCVASCPHNFVVDQTSCVRACPPDKMEVDKGLKMCPECGGLCPKACEGTGSGSRFQTV D 344

Qy      61 SSNIDGFVNCTKILGNLDFLITGLNG 86
      |||
Db      345 SSNIDGFVNCTKILGNLDFLITGLNG 370
```

## RESULT 32

US-12-144-166-8

; Sequence 8, Application US/12144166

; Patent No. 7638303

; GENERAL INFORMATION:

; APPLICANT: Maihle, Nita

; APPLICANT: Lee, Hakjoo

; TITLE OF INVENTION: System and Method to Inhibit Heregulin Activated Processes and

; TITLE OF INVENTION: Other Methods Using Soluble ErbB3 and Method to Produce Soluble

; TITLE OF INVENTION: ErbB3

; FILE REFERENCE: 01-03Maihle

; CURRENT APPLICATION NUMBER: US/12/144,166

; CURRENT FILING DATE: 2008-06-23

; PRIOR APPLICATION NUMBER: US/10/159,353B

; PRIOR FILING DATE: 2002-05-31

; PRIOR APPLICATION NUMBER: US 09/676,380

; PRIOR FILING DATE: 2000-09-29

; NUMBER OF SEQ ID NOS: 8

; SOFTWARE: PatentIn version 3.2

; SEQ ID NO 8

; LENGTH: 400

; TYPE: PRT

; ORGANISM: Homo sapiens

US-12-144-166-8

Query Match 62.4%; Score 479; DB 3; Length 400;

Best Local Similarity 100.0%;

Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	VCVASCPHNFVVDQTSCVRACPPDKMEVDKNGLMCEPCGGLCPKACEGTGSGSRFQTV	60
Db	285	VCVASCPHNFVVDQTSCVRACPPDKMEVDKNGLMCEPCGGLCPKACEGTGSGSRFQTV	344
Qy	61	SSNIDGFVNCTKILGNLDFLITGLNG	86
Db	345	SSNIDGFVNCTKILGNLDFLITGLNG	370

## RESULT 33

US-09-570-454-2

; Sequence 2, Application US/09570454

; Patent No. 6399743

; GENERAL INFORMATION:

; APPLICANT: Department of Veterans Affairs

; TITLE OF INVENTION: Isolation and characterization of epidermal growth

; TITLE OF INVENTION: factor related protein

; FILE REFERENCE: 107999.00106

; CURRENT APPLICATION NUMBER: US/09/570,454

; CURRENT FILING DATE: 2000-05-12

; PRIOR APPLICATION NUMBER: 60/134,200

; PRIOR FILING DATE: 1999-05-14

; NUMBER OF SEQ ID NOS: 8

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 2

; LENGTH: 478

; TYPE: PRT

; ORGANISM: Rattus norvegicus

US-09-570-454-2

Query Match 41.2%; Score 316.5; DB 2; Length 478;  
 Best Local Similarity 44.3%;  
 Matches 62; Conservative 23; Mismatches 52; Indels 3; Gaps 2;

Qy 2 CVASCPHNFVV-DQTSCVRACPPDKMEVDKGLKMCCEPCCGLCPKACEGTGSGSRFQT-- 58  
 || :|| :|| | ||||| || ||::|:| :| :| | | | | | | |  
 Db 291 CVKNCPRNYVVDHGSVCVRACGPDYEEVEDGIRKCKKCDGPCRKVCNGIGIGEFKDTLS 350

Qy 59 VDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVRTVREITGYLNIQSW 118  
 :::|| | || | :| | || : : | ||| :| : :||:|||| | ||:|  
 Db 351 INATNIKHFKYCTAISGDLHILPVAFKGDSFTRTPPLDPRELEILKTVKEITGSLLIQAW 410

Qy 119 PPHMHNFSVFSNLTTIGGRS 138  
 | : : | || | ||:  
 Db 411 PENWTDLHAFENLEIIRGRT 430

## RESULT 34

US-09-867-521-2

; Sequence 2, Application US/09867521

; Patent No. 6582934

; GENERAL INFORMATION:

; APPLICANT: Department of Veterans Affairs

; TITLE OF INVENTION: Isolation and characterization of epidermal growth

; TITLE OF INVENTION: factor related protein

; FILE REFERENCE: 111828-00103

; CURRENT APPLICATION NUMBER: US/09/867,521

; CURRENT FILING DATE: 2001-05-31

; PRIOR APPLICATION NUMBER: 60/134,200

; PRIOR FILING DATE: 1999-05-14

; PRIOR APPLICATION NUMBER: 09/570,454

; PRIOR FILING DATE: 2000-05-12

; NUMBER OF SEQ ID NOS: 8

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 2

; LENGTH: 478

; TYPE: PRT

; ORGANISM: Rattus norvegicus

US-09-867-521-2

Query Match 41.2%; Score 316.5; DB 2; Length 478;  
 Best Local Similarity 44.3%;  
 Matches 62; Conservative 23; Mismatches 52; Indels 3; Gaps 2;

Qy 2 CVASCPHNFVV-DQTSCVRACPPDKMEVDKGLKMCCEPCCGLCPKACEGTGSGSRFQT-- 58  
 || :|| :|| | ||||| || ||::|:| :| :| | | | | | | |  
 Db 291 CVKNCPRNYVVDHGSVCVRACGPDYEEVEDGIRKCKKCDGPCRKVCNGIGIGEFKDTLS 350

Qy 59 VDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVRTVREITGYLNIQSW 118  
 :::|| | || | :| | || : : | ||| :| : :||:|||| | ||:|  
 Db 351 INATNIKHFKYCTAISGDLHILPVAFKGDSFTRTPPLDPRELEILKTVKEITGSLLIQAW 410

Qy 119 PPHMHNFSVFSNLTTIGGRS 138  
 | : : | || | ||:  
 Db 411 PENWTDLHAFENLEIIRGRT 430

[http://es.ScoreAccessWeb/GetItem.action?AppId=10516...0-516-759a-16\\_copy\\_2\\_139.ra1&ItemType=4&startByte=0](http://es.ScoreAccessWeb/GetItem.action?AppId=10516...0-516-759a-16_copy_2_139.ra1&ItemType=4&startByte=0) (32 of 125)11/20/2010 6:26:14 PM



```
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-209-187-1
```

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Query Match          41.2%; Score 316.5; DB 3; Length 621;
Best Local Similarity 43.3%;
Matches 61; Conservative 27; Mismatches 48; Indels 5; Gaps 3;
```

```
Qy      2 CVASCPHNFVV-DQTSCVRACPPDKMEVDKNGLMKCEPCGGLCPKACEGTGSGSRFQ--- 57
      || || |:|| | ||||| | |:::|:: |: | | | | | | | | | |
Db      267 CVKKCPRNYVVDHGSVCVRACGADSYEMEEDGVRKCKKCEGPCRKVCNGIGIG-EFKDSL 325

Qy      58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
      :::::| | | | | |:| | | | : | | |:::|:: |:|:| | | | | |
Db      326 SINATNIKHFKNCTSIISGLHILPVAFRGDSFTHTPPLDPQELDILKTVKEITGFLLIQA 385

Qy      118 WPPHMHNFVSFVSNLTTIGGRS 138
      || : : | | | | |
Db      386 WPENRTDLHAFENLEIIRGRT 406
```

## RESULT 37

```
US-11-431-820A-1
; Sequence 1, Application US/11431820A
; Patent No. 7622273
; GENERAL INFORMATION:
; APPLICANT: GIBBS, Bernard
; TITLE OF INVENTION: COMPLETE CHEMICAL AND ENZYMATIC TREATMENT OF PHOSPHORYLATED AND
; TITLE OF INVENTION: GLYCOSYLATED PROTEINS ON PROTEIN CHIP ARRAYS
; FILE REFERENCE: 14237.6
; CURRENT APPLICATION NUMBER: US/11/431,820A
; CURRENT FILING DATE: 2006-05-11
; PRIOR APPLICATION NUMBER: 60/679,644
; PRIOR FILING DATE: 2005-05-11
; PRIOR APPLICATION NUMBER: 60/679,974
; PRIOR FILING DATE: 2005-05-12
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1
; LENGTH: 621
; TYPE: PRT
; ORGANISM: Homo sapiens (EGFRED)
US-11-431-820A-1
```

```
Query Match          41.2%; Score 316.5; DB 3; Length 621;
Best Local Similarity 43.3%;
Matches 61; Conservative 27; Mismatches 48; Indels 5; Gaps 3;
```

```
Qy      2 CVASCPHNFVV-DQTSCVRACPPDKMEVDKNGLMKCEPCGGLCPKACEGTGSGSRFQ--- 57
      || || |:|| | ||||| | |:::|:: |: | | | | | | | | | |
Db      267 CVKKCPRNYVVDHGSVCVRACGADSYEMEEDGVRKCKKCEGPCRKVCNGIGIG-EFKDSL 325

Qy      58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
      :::::| | | | | |:| | | | : | | |:::|:: |:|:| | | | | |
Db      326 SINATNIKHFKNCTSIISGLHILPVAFRGDSFTHTPPLDPQELDILKTVKEITGFLLIQA 385

Qy      118 WPPHMHNFVSFVSNLTTIGGRS 138
```



```

; STREET: 1840 Dehavilland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91320-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/336,708A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Oleski, Nancy
; REFERENCE/DOCKET NUMBER: A-241A
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 644 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-336-708A-9

```

Query Match 41.2%; Score 316.5; DB 1; Length 644;  
 Best Local Similarity 43.3%;  
 Matches 61; Conservative 27; Mismatches 48; Indels 5; Gaps 3;

```

Qy      2 CVASCPHNFVV-DQTSCVRACPPDKMEVDKNGLMCEPCGGLCPKACEGTGSGSRFQ--- 57
      || || |:|| | ||||| | |:::|:: |: | | | | | | | | | |
Db      291 CVKKCPRNYVVTDHGSCVRACGADSYEMEEDGVRKCKKCEGFCRKVCNGIGIG-EPKDSL 349

Qy      58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLVNVRTVREITGYLNIQS 117
      ::::|| | || | | | | | | | | | | | | | | | | | | | | |
Db      350 SINATNIKHFKNCTISISGLHILPVAFRGDSFTHTPLDLPQELDILKTVKEITGFLLIQA 409

Qy      118 WPPHMHNFVSFVSNLTTIGGRS 138
      || : : || | ||:
Db      410 WPENRDLHAFENLEIIRGRT 430

```

## RESULT 40

```

US-11-878-050-436
; Sequence 436, Application US/11878050
; Patent No. 7608413
; GENERAL INFORMATION:
; APPLICANT: JOSELOFF, Elizabeth et al.
; TITLE OF INVENTION: KIDNEY DISEASE TARGETS AND USES THEREOF
; FILE REFERENCE: CL0015910RD
; CURRENT APPLICATION NUMBER: US/11/878,050
; CURRENT FILING DATE: 2007-10-03
; NUMBER OF SEQ ID NOS: 6044
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 436
; LENGTH: 657

```

```
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-878-050-436
```

```
Query Match          41.2%; Score 316.5; DB 3; Length 657;
Best Local Similarity 43.3%;
Matches 61; Conservative 27; Mismatches 48; Indels 5; Gaps 3;
```

```
Qy      2 CVASCPHNFVV-DQTSCVRACPPDKMEVDKNGLMKCEPCGGLCPKACEGTGSGSRFQ--- 57
      || || |:|| | ||||| | |:::|:| |:| | | | | | | |
Db      291 CVKKCPRNYVVDHGSVCVRACGADSYEMEEDGVRCKCKCEGPCRKVCNGIGIG-EFKDSL 349

Qy      58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
      ::::| | | | | |:| | | | : | | |:::| |:| | | | | |
Db      350 SINATNIKHKFNCTSIISGLHILPVAFRGDSFTHTPPLDPQELDILKTVEITGFLLIQA 409

Qy      118 WPPHMHNFVSFVSNLTTIGGRS 138
      || : : | | | | |
Db      410 WPENRTDLHAFENLEIIRGRT 430
```

# RESULT 41

```
US-11-878-050-437
; Sequence 437, Application US/11878050
; Patent No. 7608413
; GENERAL INFORMATION:
; APPLICANT: JOSELOFF, Elizabeth et al.
; TITLE OF INVENTION: KIDNEY DISEASE TARGETS AND USES THEREOF
; FILE REFERENCE: CL0015910RD
; CURRENT APPLICATION NUMBER: US/11/878,050
; CURRENT FILING DATE: 2007-10-03
; NUMBER OF SEQ ID NOS: 6044
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 437
; LENGTH: 705
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-878-050-437
```

```
Query Match          41.2%; Score 316.5; DB 3; Length 705;
Best Local Similarity 43.3%;
Matches 61; Conservative 27; Mismatches 48; Indels 5; Gaps 3;
```

```
Qy      2 CVASCPHNFVV-DQTSCVRACPPDKMEVDKNGLMKCEPCGGLCPKACEGTGSGSRFQ--- 57
      || || |:|| | ||||| | |:::|:| |:| | | | | | | |
Db      291 CVKKCPRNYVVDHGSVCVRACGADSYEMEEDGVRCKCKCEGPCRKVCNGIGIG-EFKDSL 349

Qy      58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
      ::::| | | | | |:| | | | : | | |:::| |:| | | | | |
Db      350 SINATNIKHKFNCTSIISGLHILPVAFRGDSFTHTPPLDPQELDILKTVEITGFLLIQA 409

Qy      118 WPPHMHNFVSFVSNLTTIGGRS 138
      || : : | | | | |
Db      410 WPENRTDLHAFENLEIIRGRT 430
```

# RESULT 42

```

US-10-877-773A-134
; Sequence 134, Application US/10877773A
; Patent No. 7628986
; GENERAL INFORMATION
; APPLICANT: Weber, Richard
; APPLICANT:Feng, Xiao
; APPLICANT:Foord, Orit
; APPLICANT:Green, Larry
; APPLICANT:Gudas, Jean
; APPLICANT:Keyt, Bruce
; APPLICANT:Liu, Ying
; APPLICANT:Rathanaswami, Palaniswami
; APPLICANT:Raya, Robert
; APPLICANT:Yang, Xiao Dong
; APPLICANT:Corvalan, Jose
; APPLICANT:Foltz, Ian
; APPLICANT:Jia, Xiao-Chi
; APPLICANT:Kang, Jaspal
; APPLICANT:King, Chadwick T.
; APPLICANT:Klakamp, Scott L.
; APPLICANT:Su, Qiaojuan Jane
; TITLE OF INVENTION: ANTIBODIES DIRECTED TO THE DELETION
; TITLE OF INVENTION:MUTANTS OF EPIDERMAL GROWTH FACTOR RECEPTOR AND USES THEREOF
; FILE REFERENCE: ABGENIX.087A
; CURRENT APPLICATION NUMBER: US/10/877,773A
; CURRENT FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: 60/483,145
; PRIOR FILING DATE: 2003-06-27
; PRIOR APPLICATION NUMBER: 60/525,570
; PRIOR FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: 60/562,453
; PRIOR FILING DATE: 2004-04-15
; NUMBER OF SEQ ID NOS: 144
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 134
; LENGTH: 1186
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-877-773A-134

```

```

Query Match          41.2%; Score 316.5; DB 3; Length 1186;
Best Local Similarity 43.3%;
Matches 61; Conservative 27; Mismatches 48; Indels 5; Gaps 3;

```

```

Qy      2 CVASCPHFVNV-DQTSVCRACFPDKMEVDKNGKMKCEPCGGLCPKACEGTGSGSRFQ--- 57
      || || :|| | |||| | | ::::|: | : | | | | | | | :
Db      267 CVKKCPRNYVVDHGSVCRACGADSYEMEEDGVRCCKKCEGPCRKVCNGIGIG-EFKDSL 325

Qy      58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLVNVRTVREITGYLNIQS 117
      ::::| | | | | :| | | | : | ||::: : :|:| | | :| :
Db      326 SINATNIKHFKNCTISISGDLHILPVAFRGDSFTHTPPLDPQELDILKTVKEITGFLLIQA 385

Qy      118 WPPHMHNFVSFVSNLTTIGGRS 138
      || : : | || | ||:
Db      386 WPENRTDLHAFENLEIIRGRT 406

```

RESULT 43

US-08-484-438-7

; Sequence 7, Application US/08484438

; Patent No. 5811098

; Patent No. 5811098 5780031

; GENERAL INFORMATION:

; APPLICANT: Plowman, Gregory D.

; APPLICANT: Culouscou, Jean-Michel

; APPLICANT: Shoyab, Mohammed

; APPLICANT: Siegall, Clay B.

; APPLICANT: Hellstr m, Ingegerd

; APPLICANT: Hellstr m, Karl E.

; TITLE OF INVENTION: HER4 HUMAN RECEPTOR TYROSINE KINASE

; NUMBER OF SEQUENCES: 42

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Pennie & Edmonds

; STREET: 1155 Avenue of the Americas

; CITY: New York

; STATE: New York

; COUNTRY: U.S.A.

; ZIP: 10036-2711

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/484,438

; FILING DATE: 07-JUN-1995

; CLASSIFICATION: 530

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/323,442

; FILING DATE: 14-OCT-1994

; APPLICATION NUMBER: US 08/150,704

; FILING DATE: 10-NOV-1993

; CLASSIFICATION: 530

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/981,165

; FILING DATE: 24-NOV-1992

; CLASSIFICATION: 530

; ATTORNEY/AGENT INFORMATION:

; NAME: Misrock, S. Leslie

; REGISTRATION NUMBER: 18,872

; REFERENCE/DOCKET NUMBER: 5624-230

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (212) 790-9090

; TELEFAX: (212) 869-8864/9741

; TELEX: 66141 PENNIE

; INFORMATION FOR SEQ ID NO: 7:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1210 amino acids

; TYPE: amino acid

; STRANDEDNESS: unknown

; TOPOLOGY: unknown

; MOLECULE TYPE: protein

US-08-484-438-7



US-08-475-035-4

Query Match 41.2%; Score 316.5; DB 1; Length 1210;  
 Best Local Similarity 43.3%;  
 Matches 61; Conservative 27; Mismatches 48; Indels 5; Gaps 3;

Qy 2 CVASCPHNFVV-DQTSCVRACPPDKMEVDKNGLMCEPCGGLCPKACEGTGSGSRFQ--- 57  
 || || |:| | | |||| | | ::::|: | : | | | | | | | :  
 Db 291 CVKKCPRNYVVTDHGSCVRACGADSYEMEEDGVRKCKCEGFCRKVCNGIGIG-EFKDSL 349

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLVNVRTVREITGYLNIQS 117  
 ::::| | | | | | | | : | | | | | : | | | | | | | :  
 Db 350 SINATNIKHFNCTISISGLHILPVAFRGDSFTHTPPLDQELDLKTVKEITGFLLIQA 409

Qy 118 WPPHMHNFVSFVSNLTTIGGRS 138  
 || : : | | | | :  
 Db 410 WPNRTDLHAFENLEIIRGT 430

## RESULT 45

US-09-715-249-2

; Sequence 2, Application US/09715249  
 ; Patent No. 6790614  
 ; GENERAL INFORMATION:  
 ; APPLICANT: NOVARTIS AG  
 ; APPLICANT: VERES, GABOR  
 ; APPLICANT: PIPPIG, SUSANNE  
 ; TITLE OF INVENTION: selectable cell surface marker genes  
 ; FILE REFERENCE: 4-31192  
 ; CURRENT APPLICATION NUMBER: US/09/715,249  
 ; CURRENT FILING DATE: 2000-11-17  
 ; PRIOR APPLICATION NUMBER: us 60/166594  
 ; PRIOR FILING DATE: 1999-11-19  
 ; PRIOR APPLICATION NUMBER: us 09/539248  
 ; PRIOR FILING DATE: 2000-03-30  
 ; NUMBER OF SEQ ID NOS: 16  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 2  
 ; LENGTH: 1210  
 ; TYPE: PRT  
 ; ORGANISM: EGFR

US-09-715-249-2

Query Match 41.2%; Score 316.5; DB 2; Length 1210;  
 Best Local Similarity 43.3%;  
 Matches 61; Conservative 27; Mismatches 48; Indels 5; Gaps 3;

Qy 2 CVASCPHNFVV-DQTSCVRACPPDKMEVDKNGLMCEPCGGLCPKACEGTGSGSRFQ--- 57  
 || || |:| | | |||| | | ::::|: | : | | | | | | | :  
 Db 291 CVKKCPRNYVVTDHGSCVRACGADSYEMEEDGVRKCKCEGFCRKVCNGIGIG-EFKDSL 349

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLVNVRTVREITGYLNIQS 117  
 ::::| | | | | | | | : | | | | | : | | | | | | | :  
 Db 350 SINATNIKHFNCTISISGLHILPVAFRGDSFTHTPPLDQELDLKTVKEITGFLLIQA 409

Qy 118 WPPHMHNFVSFVSNLTTIGGRS 138  
 || : : | | | | :  
 Db 410 WPNRTDLHAFENLEIIRGT 430



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```
; TITLE OF INVENTION: EPIDERMAL GROWTH FACTOR RECEPTOR TARGETING
; TITLE OF INVENTION: TREATMENTS
; FILE REFERENCE: 030258-055147
; CURRENT APPLICATION NUMBER: US/11/294,621
; CURRENT FILING DATE: 2005-12-05
; PRIOR APPLICATION NUMBER: PCT/US05/010645
; PRIOR FILING DATE: 2005-03-31
; PRIOR APPLICATION NUMBER: 60/558,218
; PRIOR FILING DATE: 2004-03-31
; PRIOR APPLICATION NUMBER: 60/561,095
; PRIOR FILING DATE: 2004-04-09
; PRIOR APPLICATION NUMBER: 60/565,753
; PRIOR FILING DATE: 2004-04-27
; PRIOR APPLICATION NUMBER: 60/565,985
; PRIOR FILING DATE: 2004-04-27
; PRIOR APPLICATION NUMBER: 60/574,035
; PRIOR FILING DATE: 2004-05-25
; PRIOR APPLICATION NUMBER: 60/577,916
; PRIOR FILING DATE: 2004-06-07
; PRIOR APPLICATION NUMBER: 60/592,287
; PRIOR FILING DATE: 2004-07-29
; NUMBER OF SEQ ID NOS: 762
; SOFTWARE: PatentIn Ver. 3.3
; SEQ ID NO 512
; LENGTH: 1210
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-294-621-512
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```
Query Match          41.2%; Score 316.5; DB 3; Length 1210;
Best Local Similarity 43.3%;
Matches 61; Conservative 27; Mismatches 48; Indels 5; Gaps 3;
```

```
Qy      2 CVASCPHNFVV-DQTSVCVRACPPDKMEVDKNGLMKCEPCGGLCPKACEGTGSGSRFQ--- 57
      || || |:|| | ||||| | |:::|:| |: | | | | | | | | | |
Db      291 CVKKCPRNYVVDHSGVCVRACGADSYEMEEDGVVRCKCKCEGFCRKVCNGIGIG-EFKDSL 349

Qy      58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPKLVNFTVREITGYLNIQS 117
      ::::| | | | | |:| | | | | | | | | | | | | | | | | |
Db      350 SINATNIKHFKNCTISISGLHILPVAFRGDSFTHTPPLDPQELDILKTVKEITGFLLIQA 409

Qy      118 WPPHMHNFVSFVSNLTTIGGRS 138
      || : : || | ||:
Db      410 WPENRTDLHAFENLEIIRGRT 430
```

```
RESULT 48
US-10-503-486-15
; Sequence 15, Application US/10503486
; Patent No. 7514240
; GENERAL INFORMATION:
; APPLICANT: Japan Science and Technology Corporation
; APPLICANT: Riken
; APPLICANT: Mochida Pharmaceutical CO., LTD.
; TITLE OF INVENTION: EGF/EGFR Complex
; FILE REFERENCE: PH-1639-PCT
; CURRENT APPLICATION NUMBER: US/10/503,486
```

```

; CURRENT FILING DATE: 2004-08-05
; PRIOR APPLICATION NUMBER: JP 2002-28780
; PRIOR FILING DATE: 2002-02-05
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 15
; LENGTH: 1210
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: (1)..(24)
US-10-503-486-15

```

Query Match 41.2%; Score 316.5; DB 3; Length 1210;  
 Best Local Similarity 43.3%;  
 Matches 61; Conservative 27; Mismatches 48; Indels 5; Gaps 3;

```

Qy      2 CVASCPHNFVV-DQTSVCVRACPPDKMEVDKNGLMKCEPCGGGLCPKACEGTGSGSRFQ--- 57
      || || |:|| | ||||| | |:::|:| |: | | | | | | | | | |
Db      291 CVKKCPRNYVVDHGSCVRACGADSYEMEEDGVRKCKKCEGFCRKVCNGIGIG-EFKDSL 349

```

```

Qy      58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
      ::::|| | || | |: | | | | | | | | | | | | | | | | | |
Db      350 SINATNIKHFKNCTISISGLHILPVAFRGDSFTHTPPLDPQELDILKTVKEITGFLLIQA 409

```

```

Qy      118 WPPHMHNFVSFNSLTTIGGRS 138
      || : : || | ||:
Db      410 WPENRTDLHAFENLEIIRGRT 430

```

## RESULT 49

US-11-622-061B-32

```

; Sequence 32, Application US/11622061B
; Patent No. 7588895

```

## GENERAL INFORMATION

```

; APPLICANT: The Regents of the University of California
; APPLICANT:Wong, David T. W.
; APPLICANT:Zhou, Xiaofeng
; TITLE OF INVENTION: Biomarkers for Oral Tongue Cancer Metastasis and Extracapsular
; TITLE OF INVENTION:Spread (ECS)
; FILE REFERENCE: 02307K-166410US
; CURRENT APPLICATION NUMBER: US/11/622,061B
; CURRENT FILING DATE: 2008-04-14
; PRIOR APPLICATION NUMBER: US 60/758,432
; PRIOR FILING DATE: 2006-01-11
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn version 3.5

```

```

; SEQ ID NO 32
; LENGTH: 1210
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: EGFR
US-11-622-061B-32

```

Query Match 41.2%; Score 316.5; DB 3; Length 1210;

Best Local Similarity 43.3%;  
 Matches 61; Conservative 27; Mismatches 48; Indels 5; Gaps 3;

```
Qy      2 CVASCPHNFV--DQTSVCRACPPDKMEVDKNGLMKCEPCGGLCPKACEGTGSGSRFQ--- 57
      || || |:|| | ||||| | |:::|: |: | | | | | | | | | |
Db      291 CVKKCPRNYVVDHGGSCVRCAGADSYEMEEDGVRKCKKCEGPCRKVCNGIGIG-EFKDSL 349

Qy      58 TVDSSNIDGFGVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
      :::::| | || | |:| | | | | | | | | | | | | | | | | |
Db      350 SINATNIKHFKNCTISISGLHILPVAFRGDSFTHTPPLDPQELDILKTVEITGFLLIQA 409

Qy      118 WPPHMHNFVSFVSNLTTIGGRS 138
      || : : | || | ||:
Db      410 WPNRNTDLHAFENLEIIRGRT 430
```

## RESULT 50

US-11-878-050-438  
 ; Sequence 438, Application US/11878050  
 ; Patent No. 7608413  
 ; GENERAL INFORMATION:  
 ; APPLICANT: JOSELOFF, Elizabeth et al.  
 ; TITLE OF INVENTION: KIDNEY DISEASE TARGETS AND USES THEREOF  
 ; FILE REFERENCE: CL0015910RD  
 ; CURRENT APPLICATION NUMBER: US/11/878,050  
 ; CURRENT FILING DATE: 2007-10-03  
 ; NUMBER OF SEQ ID NOS: 6044  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO 438  
 ; LENGTH: 1210  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-11-878-050-438

Query Match 41.2%; Score 316.5; DB 3; Length 1210;  
 Best Local Similarity 43.3%;  
 Matches 61; Conservative 27; Mismatches 48; Indels 5; Gaps 3;

```
Qy      2 CVASCPHNFV--DQTSVCRACPPDKMEVDKNGLMKCEPCGGLCPKACEGTGSGSRFQ--- 57
      || || |:|| | ||||| | |:::|: |: | | | | | | | | | |
Db      291 CVKKCPRNYVVDHGGSCVRCAGADSYEMEEDGVRKCKKCEGPCRKVCNGIGIG-EFKDSL 349

Qy      58 TVDSSNIDGFGVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
      :::::| | || | |:| | | | | | | | | | | | | | | | | |
Db      350 SINATNIKHFKNCTISISGLHILPVAFRGDSFTHTPPLDPQELDILKTVEITGFLLIQA 409

Qy      118 WPPHMHNFVSFVSNLTTIGGRS 138
      || : : | || | ||:
Db      410 WPNRNTDLHAFENLEIIRGRT 430
```

## RESULT 51

US-11-878-050-439  
 ; Sequence 439, Application US/11878050  
 ; Patent No. 7608413  
 ; GENERAL INFORMATION:  
 ; APPLICANT: JOSELOFF, Elizabeth et al.

Query Match 41.2%; Score 316.5; DB 3; Length 1210;  
Best Local Similarity 43.3%;  
Matches 61; Conservative 27; Mismatches 48; Indels 5; Gaps 3;

```
Qy      2  CVASCPHFNVV--DQTSQVRACPPDKMEVDKNGKLMCEPCGGCLCFKACEGTGSSGRFQ--- 57
      ||| ||| :||| | ||||| | :||::||: | :| | | | | | | | :
Db      291 CVKKCPRNVVVDHGSQVRACGADSYEMEEEDGVRKCKKCEGPCRKVCNGIGIG-EFKDSL 349

Qy      58  TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
      :||::|| | ||| | :| | | | | | : | | | | | : | | :
Db      350 SINATNIKHFKNCTSIISGDLHILPVAFRGDSFTHTPPLDPQELDILKTVKEITGFLLIQA 409

Qy      118 WPPMHMNFVSFNSLTTIGGRS 138
      || : : || | |||
Db      410 WPENRTDLHAFENLEIIRGT 430
```

```

; Sequence 6, Application US/10586499A
; Patent No. 7655751
; GENERAL INFORMATION
; APPLICANT: ITOH, Kyogo
; APPLICANT:SHICHIJO, Shigeki
; TITLE OF INVENTION: Epidermal growth factor receptor (EGFR)-derived peptides
; FILE REFERENCE: 547586
; CURRENT APPLICATION NUMBER: US/10/586,499A
; CURRENT FILING DATE: 2009-08-19
; PRIOR APPLICATION NUMBER: JP 2004-015676
; PRIOR FILING DATE: 2004-01-23
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 6
; LENGTH: 1210
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-586-499A-6

```

Query Match 41.2%; Score 316.5; DB 3; Length 1210;  
Best Local Similarity 43.3%;  
Matches 61; Conservative 27; Mismatches 48; Indels 5; Gaps 3;

Qy 2 CVASCPHNFVV-DQTSVCRAPPDKMEVDKNGLMCEPCGGLCPKACEGTGSGSRFQ--- 57  
|| || |:|| | |||| | | ::::: | : | | | | | | :  
Db 291 CVKKCPRNYVVTDHGSCVCRACGADSYEMEEDGVRKCKKCEGPCRKVCNGIGIG-EFKDSL 349

```

Qy      58  TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
      ::::| | | | | : | | : | | | : | : | | | : | | :
Db      350  SINATNIKHFKNCTISISGDLHILPVAFRGDSFTHTPPLDPQELDILKTVEITGFLLIQA 409

Qy      118  WPPMHMNFVSFVSNLTTIGGRS 138
      | | : : | | | | | :
Db      410  WPENRTDLHAFENLEIIRGRT 430

```

## RESULT 53

```

US-10-387-252A-2
; Sequence 2, Application US/10387252A
; Patent No. 7662793
; GENERAL INFORMATION:
; APPLICANT: He, Yukai
; APPLICANT: Grandis, Jennifer Rubin
; APPLICANT: Huang, Leaf
; TITLE OF INVENTION: Inhibition of Human Squamous Cell Carcinoma Growth In
; TITLE OF INVENTION: Vivo by Epidermal Growth Factor Receptor Antisense RNA
; TITLE OF INVENTION: Transcribed From a Pol III Promoter
; FILE REFERENCE: HeGrandisHuang
; CURRENT APPLICATION NUMBER: US/10/387,252A
; CURRENT FILING DATE: 2003-03-12
; PRIOR APPLICATION NUMBER: 60/140,136
; PRIOR FILING DATE: 1999-06-18
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 1210
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-387-252A-2

```

```

Query Match      41.2%; Score 316.5; DB 3; Length 1210;
Best Local Similarity 43.3%;
Matches 61; Conservative 27; Mismatches 48; Indels 5; Gaps 3;

```

```

Qy      2  CVASCPHNFV--DQTSVCRACPPDKMEVDKNGKMCCEPGGLCPKACEGTGSGSRFQ--- 57
      | | | | : | | | | | | | | | : | | | | | | | | :
Db      291  CVKKCPRNYVVTDHGSCVRCAGDSYEMEEDGVRKCKKCEGPCRKVCNGIGIG-EFKDSL 349

Qy      58  TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
      ::::| | | | | : | | : | | | : | : | | | : | | :
Db      350  SINATNIKHFKNCTISISGDLHILPVAFRGDSFTHTPPLDPQELDILKTVEITGFLLIQA 409

Qy      118  WPPMHMNFVSFVSNLTTIGGRS 138
      | | : : | | | | | :
Db      410  WPENRTDLHAFENLEIIRGRT 430

```

## RESULT 54

```

US-09-723-307-67
; Sequence 67, Application US/09723307
; Patent No. 6892140
; GENERAL INFORMATION:
; APPLICANT: CALENOFF, EMANUEL

```

```
; APPLICANT: DITLOW, CHARLES C.
; TITLE OF INVENTION: IMMUNOGENIC CANCER PEPTIDES AND USES THEREOF
; FILE REFERENCE: 21417-91482
; CURRENT APPLICATION NUMBER: US/09/723,307
; CURRENT FILING DATE: 2001-09-19
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 67
; LENGTH: 1210
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-723-307-67
```

Query Match 41.0%; Score 314.5; DB 2; Length 1210;  
 Best Local Similarity 43.3%;  
 Matches 61; Conservative 26; Mismatches 49; Indels 5; Gaps 3;

```
Qy      2 CVASCPHNFVV-DQTSCVRACPPDKMEVDKNGLMKCEPCGGLCPKACEGTGSGSRFQ--- 57
      || || ||:| | ||||| | ::::|:| | | | | | | |
Db      291 CVKKCPRNYVVDHGGSCVRACGADSYEMEEDGVRKCKKCEGPCRKVCNGIGIG-EFKDSL 349

Qy      58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
      ::||:| | :| | | :| | || : | |||::: |::|::|:| | |
Db      350 SIDATNIKHKDCSTISISDLHILPVAFRGDSFTHTPPLDPQELDILKTIVKEITGFLLIQA 409

Qy      118 WPPHMHNFVSFVSNLTIGGRS 138
      || : | | | | |
Db      410 WPEDRTDLHAFENLEIIRGRT 430
```

# RESULT 55

US-09-493-480-8

```
; Sequence 8, Application US/09493480
; Patent No. 7198920
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Gheysen, Dirk
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: HER-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009810PC
; CURRENT APPLICATION NUMBER: US/09/493,480
; CURRENT FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 654
; TYPE: PRT
; ORGANISM: Rattus sp.
; FEATURE:
; OTHER INFORMATION: extracellular domain (ECD) of rat HER-2/neu
US-09-493-480-8
```

Query Match 37.8%; Score 290; DB 3; Length 654;  
 Best Local Similarity 42.3%;

Matches 60; Conservative 20; Mismatches 54; Indels 8; Gaps 4;

```

Qy      2 CVASCPHNFVVDQT-SCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTG----SGSR 55
      ||:||:|: : || |||: || :||: || | | : | | | | :|
Db      296 CVTTCPYNYLSTEVGSCTLVCPNNQEVTAEDGTQRCEKSKPCARVCYGLGMEHLRGAR 355

Qy      56 FQTVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVERTVREITGYLNI 115
      : | | : | | || | : || | : || | | | : | | | | |
Db      356 --AITSNVDNQEFDGCKKIFGSLAFLPESFDGDPSSGIAPLRPEQLQVFETLEEITGYLYI 413

Qy      116 QSWPPHMHNFVSFVSNLTTIGGR 137
      :|| : : ||| || | ||
Db      414 SAWPDSLRLDLSVFNQLRIIRGR 435

```

## RESULT 56

US-09-632-507A-8

; Sequence 8, Application US/09632507A

; Patent No. 7229623

; GENERAL INFORMATION:

; APPLICANT: Cheever, Martin A.

; APPLICANT: Gheysen, Dirk

; APPLICANT: Corixa Corporation

; APPLICANT: SmithKline Beecham Biologicals S. A.

; TITLE OF INVENTION: Her-2/neu Fusion Proteins

; FILE REFERENCE: 014058-009820US

; CURRENT APPLICATION NUMBER: US/09/632,507A

; CURRENT FILING DATE: 2000-08-03

; PRIOR APPLICATION NUMBER: US 60/117,976

; PRIOR FILING DATE: 1999-01-29

; PRIOR APPLICATION NUMBER: US 09/493,480

; PRIOR FILING DATE: 2000-01-28

; NUMBER OF SEQ ID NOS: 32

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 8

; LENGTH: 654

; TYPE: PRT

; ORGANISM: Rattus sp.

; FEATURE:

; OTHER INFORMATION: extracellular domain (ECD) of rat Her-2/neu

US-09-632-507A-8

Query Match 37.8%; Score 290; DB 3; Length 654;

Best Local Similarity 42.3%;

Matches 60; Conservative 20; Mismatches 54; Indels 8; Gaps 4;

```

Qy      2 CVASCPHNFVVDQT-SCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTG----SGSR 55
      ||:||:|: : || |||: || :||: || | | : | | | | :|
Db      296 CVTTCPYNYLSTEVGSCTLVCPNNQEVTAEDGTQRCEKSKPCARVCYGLGMEHLRGAR 355

Qy      56 FQTVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVERTVREITGYLNI 115
      : | | : | | || | : || | : || | | | : | | | | |
Db      356 --AITSNVDNQEFDGCKKIFGSLAFLPESFDGDPSSGIAPLRPEQLQVFETLEEITGYLYI 413

Qy      116 QSWPPHMHNFVSFVSNLTTIGGR 137
      :|| : : ||| || | ||
Db      414 SAWPDSLRLDLSVFNQLRIIRGR 435

```



RESULT 57

US-09-854-356-8

```
; Sequence 8, Application US/09854356
; Patent No. 7375091
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Gheysen, Dirk
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: HER-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009810PC
; CURRENT APPLICATION NUMBER: US/09/854,356
; CURRENT FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 09/493,480
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 654
; TYPE: PRT
; ORGANISM: Rattus sp.
; FEATURE:
; OTHER INFORMATION: extracellular domain (ECD) of rat HER-2/neu
US-09-854-356-8
```

Query Match 37.8%; Score 290; DB 3; Length 654;  
 Best Local Similarity 42.3%;  
 Matches 60; Conservative 20; Mismatches 54; Indels 8; Gaps 4;

```
Qy      2 CVASCPHNFVVDQT-SCVRACPPDKMEVD-KNGLKMCPECGGLCPKACEGTG----SGSR 55
      ||::||::: : || |||: || ::: || | | : || | |::|
Db      296 CVTTCPYNYLSTEVGSCTLVCPNNEQEVTAEDGTQRCCKSKPCARVCYGLGMEHLRGAR 355

Qy      56 FQTVDSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVRFTVREITGYLNI 115
      : ||: | || | : | | : || | | ||: | ||: | || | | | | | |
Db      356 --AITSNVQEFDGCKIKFGLSLFLPESFDGDPSSGIAPLRPEQLQVFETLEEITGYLYI 413

Qy      116 QSWPPHMHNFVSFSLNLTIGGR 137
      : || : : || | | | ||
Db      414 SAWPDSLRLDSVFNQLRIIRGR 435
```

RESULT 58

US-09-493-480-2

```
; Sequence 2, Application US/09493480
; Patent No. 7198920
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Gheysen, Dirk
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: HER-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009810PC
```

; CURRENT APPLICATION NUMBER: US/09/493,480  
; CURRENT FILING DATE: 2000-01-28  
; PRIOR APPLICATION NUMBER: US 60/117,976  
; PRIOR FILING DATE: 1999-01-29  
; NUMBER OF SEQ ID NOS: 26  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 2  
; LENGTH: 1256  
; TYPE: PRT  
; ORGANISM: Rattus sp.  
; FEATURE:  
; OTHER INFORMATION: rat HER-2/neu protein  
; NAME/KEY: DOMAIN  
; LOCATION: (1)..(654)  
; OTHER INFORMATION: extracellular domain (ECD)  
; NAME/KEY: DOMAIN  
; LOCATION: (677)..(1256)  
; OTHER INFORMATION: intracellular domain (ICD)  
; NAME/KEY: DOMAIN  
; LOCATION: (721)..(998)  
; OTHER INFORMATION: kinase domain (KD)  
; NAME/KEY: DOMAIN  
; LOCATION: (991)..(1256)  
; OTHER INFORMATION: phosphorylation domain (PD)  
; NAME/KEY: DOMAIN  
; LOCATION: (991)..(1049)  
; OTHER INFORMATION: fragment of the phosphorylation domain, preferred  
; OTHER INFORMATION: portion (delta PD)  
US-09-493-480-2

Query Match 37.8%; Score 290; DB 3; Length 1256;  
Best Local Similarity 42.3%;  
Matches 60; Conservative 20; Mismatches 54; Indels 8; Gaps 4;

Qy	2	CVASCPHNFVVDQT-SCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTG---- <td>55</td>	55
		: : : :     : :     : :     : :     :	
Db	296	CVTTCPPNYLSTEVGSCTLVCPPNNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLRGAR	355
Qy	56	FQITVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNI	115
		:     :         : :     : :     : :     : :	
Db	356	--AITSDNVQEFDGCKIFGSLAFLPESFDGDPSSGIAPLRPEQLQVFETLEEITGYLYI	413
Qy	116	QSWPPPHMHNFSVFSNLTTIGGR	137
		:    : :	
Db	414	SAWPDSLRLDLSVFQNLRIIRGR	435

RESULT 59  
US-09-632-507A-2  
; Sequence 2, Application US/09632507A  
; Patent No. 7229623  
; GENERAL INFORMATION:  
; APPLICANT: Cheever, Martin A.  
; APPLICANT: Gheysen, Dirk  
; APPLICANT: Corixa Corporation  
; APPLICANT: SmithKline Beecham Biologicals S. A.  
; TITLE OF INVENTION: Her-2/neu Fusion Proteins

```

; FILE REFERENCE: 014058-009820US
; CURRENT APPLICATION NUMBER: US/09/632,507A
; CURRENT FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: US 09/493,480
; PRIOR FILING DATE: 2000-01-28
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 1256
; TYPE: PRT
; ORGANISM: Rattus sp.
; FEATURE:
; OTHER INFORMATION: rat Her-2/neu protein
; NAME/KEY: DOMAIN
; LOCATION: (1)..(654)
; OTHER INFORMATION: extracellular domain (ECD)
; NAME/KEY: DOMAIN
; LOCATION: (677)..(1256)
; OTHER INFORMATION: intracellular domain (ICD)
; NAME/KEY: DOMAIN
; LOCATION: (721)..(998)
; OTHER INFORMATION: kinase domain (KD)
; NAME/KEY: DOMAIN
; LOCATION: (991)..(1256)
; OTHER INFORMATION: phosphorylation domain (PD)
; NAME/KEY: DOMAIN
; LOCATION: (991)..(1049)
; OTHER INFORMATION: fragment of the phosphorylation domain, preferred
; OTHER INFORMATION: portion (delta PD)
US-09-632-507A-2

```

Query Match 37.8%; Score 290; DB 3; Length 1256;  
 Best Local Similarity 42.3%;  
 Matches 60; Conservative 20; Mismatches 54; Indels 8; Gaps 4;

```

Qy      2 CVASCPHNFVVDQT-SCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTG----SGSR 55
      ||::|::: : || |||: || ::|: || | :|: || | :|
Db      296 CVTTCPPNYLSTEVGSCITLVCPNQQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLRGAR 355

Qy      56 FQITVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVERTVREITGYLNI 115
      : ||: | | || |::| | :|| | | ||:| || :| ||||| |
Db      356 --AITSNVDQEFDGCKKIFGSLAFLPESFDGDPSSGIIAPLRPEQLQVFETLEEITGYLYI 413

Qy      116 QSWPPHMHNFVSFVSNLTTIGGR 137
      :|| : : ||| || | ||
Db      414 SAWPDSLRLDLSVFQNLRIIRGR 435

```

RESULT 60  
 US-09-854-356-2  
 ; Sequence 2, Application US/09854356  
 ; Patent No. 7375091  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Cheever, Martin A.  
 ; APPLICANT: Gheysen, Dirk

```

; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: HER-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009810PC
; CURRENT APPLICATION NUMBER: US/09/854,356
; CURRENT FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 09/493,480
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 1256
; TYPE: PRT
; ORGANISM: Rattus sp.
; FEATURE:
; OTHER INFORMATION: rat HER-2/neu protein
; NAME/KEY: DOMAIN
; LOCATION: (1)..(654)
; OTHER INFORMATION: extracellular domain (ECD)
; NAME/KEY: DOMAIN
; LOCATION: (677)..(1256)
; OTHER INFORMATION: intracellular domain (ICD)
; NAME/KEY: DOMAIN
; LOCATION: (721)..(998)
; OTHER INFORMATION: kinase domain (KD)
; NAME/KEY: DOMAIN
; LOCATION: (991)..(1256)
; OTHER INFORMATION: phosphorylation domain (PD)
; NAME/KEY: DOMAIN
; LOCATION: (991)..(1049)
; OTHER INFORMATION: fragment of the phosphorylation domain, preferred
; OTHER INFORMATION: portion (delta PD)
US-09-854-356-2

```

```

Query Match          37.8%; Score 290; DB 3; Length 1256;
Best Local Similarity 42.3%;
Matches 60; Conservative 20; Mismatches 54; Indels 8; Gaps 4;

```

```

Qy      2 CVASCPHNFVVDQT-SCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTG----SGSR 55
      ||::|::: : || |||: || ::| || | : | | | :|
Db      296 CVTTCPPNYLSTEVGSCSTLVCPPNNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLRGAR 355

Qy      56 FQITVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNI 115
      : ||: | | || |::| || :|| | | ||: || |: ||||| |
Db      356 --AITSNVQEFDGCKIKFGLAFLPESFDGDPSSGIIAPLRPEQLQVFETLEEITGYLYI 413

Qy      116 QSWPPHMHNFVSFVSNLTTIGGR 137
      :|| : : ||| || | ||
Db      414 SAWPDSLRLDLSVFQNLRIIRGR 435

```

RESULT 61

US-10-484-067-2

; Sequence 2, Application US/10484067  
; Patent No. 7446185

[http://es.ScoreAccessWeb/GetItem.action?AppId=10516...0-516-759a-16\\_copy\\_2\\_139.ra1&ItemType=4&startByte=0](http://es.ScoreAccessWeb/GetItem.action?AppId=10516...0-516-759a-16_copy_2_139.ra1&ItemType=4&startByte=0) (53 of 125)11/20/2010 6:26:14 PM

Query Match 37.6%; Score 288.5; DB 3; Length 919;  
Best Local Similarity 42.5%;  
Matches 57; Conservative 27; Mismatches 45; Indels 5; Gaps 3;

Qy	9	NEVV--DQTS	SCVRACPPDKMEVDK	NGLKMCEPCGGLCPKACE	BGTSGS	RFQ---	TV	SSNI	64
		:		: ::   :   :			:   :		
Db	7	NYVVD	DHGS	CVRCAGD	SYMEEDG	VRKCKKCE	GPCRKVC	NGIG-EPK	65
Qy	65	DGFVN	CTKILGNL	DFLITGL	NGDPWHKIPALD	PEKLN	VFRTVREIT	GYLNIQSWPPH	124
			:				:	: :	
Db	66	KHFKN	CTSI	SGDLHL	ILPVA	FRGDSF	THTP	LPDQELDKLTVKEIT	125
Qy	125	FSVFS	NLTTIG	GRS					
Db	126	LHAFEN	LEIRG	T					

```

US-11-209-187-2
; Sequence 2, Application US/11209187
; Patent No. 7449559
; GENERAL INFORMATION:
; APPLICANT: CSIRO Molecular and Health Technologies
; TITLE OF INVENTION: Truncated EGF Receptor
; FILE REFERENCE: 502897
; CURRENT APPLICATION NUMBER: US/11/209,187
; CURRENT FILING DATE: 2007-08-08
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 2
; LENGTH: 631
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-209-187-2

```

Query Match 36.7%; Score 282; DB 3; Length 631;

Best Local Similarity 42.1%;  
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

```
Qy      2  CVASCPHNFV-VDQTSVCVRACPPDKMEVD-KNGLKMCEPCGGGLCPKACEGTGSG--SRFQ 57
      ||:|:|:|:| | || || || :|:| | | :| | | :
Db      274 CVTACPYNYLSTDVGSCTLVCPLHNQEVTAEDGTQRCCKSKPCARVCYGLGMEHLREVR 333

Qy      58  TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
      | |:| | | | | |:| | | :|| | |:| | | | | | | :
Db      334 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 393

Qy      118 WPPHMHNFVSFVSNLTTIGGR 137
      || : : ||| || | ||
Db      394 WPDSLPDLVSFQNLQVIRG 413
```

## RESULT 64

US-09-602-812A-13  
; Sequence 13, Application US/09602812A  
; Patent No. 6949245  
; GENERAL INFORMATION:  
; APPLICANT: Adams, Camellia W.  
; APPLICANT: Presta, Leonard G.  
; APPLICANT: Sliwowski, Mark X.  
; TITLE OF INVENTION: Humanized Anti-ErbB2 Antibodies and Treatment with  
; TITLE OF INVENTION: Anti-ErbB2 Antibodies  
; FILE REFERENCE: P1467R2  
; CURRENT APPLICATION NUMBER: US/09/602,812A  
; CURRENT FILING DATE: 2000-06-23  
; PRIOR APPLICATION NUMBER: US 60/141,316  
; PRIOR FILING DATE: 1999-06-25  
; NUMBER OF SEQ ID NOS: 13  
; SEQ ID NO 13  
; LENGTH: 645  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-602-812A-13

Query Match 36.7%; Score 282; DB 2; Length 645;  
Best Local Similarity 42.1%;  
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

```
Qy      2  CVASCPHNFV-VDQTSVCVRACPPDKMEVD-KNGLKMCEPCGGGLCPKACEGTGSG--SRFQ 57
      ||:|:|:|:| | || || || :|:| | | :| | | :
Db      295 CVTACPYNYLSTDVGSCTLVCPLHNQEVTAEDGTQRCCKSKPCARVCYGLGMEHLREVR 354

Qy      58  TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
      | |:| | | | | |:| | | :|| | |:| | | | | | | :
Db      355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy      118 WPPHMHNFVSFVSNLTTIGGR 137
      || : : ||| || | ||
Db      415 WPDSLPDLVSFQNLQVIRG 434
```

## RESULT 65

US-09-921-161-1

```

; Sequence 1, Application US/09921161
; Patent No. 6984494
; GENERAL INFORMATION:
; APPLICANT: Ralph, Peter
; TITLE OF INVENTION: ANALYTICAL METHOD
; FILE REFERENCE: GENENT.066A
; CURRENT APPLICATION NUMBER: US/09/921,161
; CURRENT FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/225,433
; PRIOR FILING DATE: 2000-08-15
; NUMBER OF SEQ ID NOS: 1
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 645
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-921-161-1

```

```

Query Match          36.7%; Score 282; DB 2; Length 645;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

```

```

Qy      2 CVASCPHNFV-VDQTSVCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
      ||:|:|:|:| || || || ||:|:|:| || ||:|:|:|
Db      295 CVTACPNYNYLSTDVSGCTLVCPHNEQVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy      58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLVNFVTRVREITGYLNIQS 117
      | |:| | | || |:| || |:| | |:| | |:| | |:| | |:|
Db      355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEBITGYLYISA 414

Qy      118 WPPHMHNFVSFVSNLTTIGGR 137
      || : : ||| || | ||
Db      415 WPDSPDLVSFQNLQVIRGR 434

```

## RESULT 66

US-09-602-800A-13

```

; Sequence 13, Application US/09602800A
; Patent No. 7041292
; GENERAL INFORMATION:
; APPLICANT: Sliwowski, Mark X.
; TITLE OF INVENTION: TREATING PROSTATE CANCER WITH ANTI-ErbB2 ANTIBODIES
; FILE REFERENCE: 39766-0142D1
; CURRENT APPLICATION NUMBER: US/09/602,800A
; CURRENT FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: US 60/141,315
; PRIOR FILING DATE: 1999-06-25
; NUMBER OF SEQ ID NOS: 22
; SEQ ID NO 13
; LENGTH: 645
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-602-800A-13

```

```

Query Match          36.7%; Score 282; DB 3; Length 645;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

```



[http://es.ScoreAccessWeb/GetItem.action?AppId=10516...0-516-759a-16\\_copy\\_2\\_139.ra1&ItemType=4&startByte=0](http://es.ScoreAccessWeb/GetItem.action?AppId=10516...0-516-759a-16_copy_2_139.ra1&ItemType=4&startByte=0) (57 of 125)11/20/2010 6:26:14 PM

```

; GENERAL INFORMATION:
; APPLICANT: Adams, Camellia W.
; APPLICANT: Presta, Leonard G.
; APPLICANT: Sliwowski, Mark X.
; TITLE OF INVENTION: Humanized Anti-ErbB2 Antibodies and Treatment with
; TITLE OF INVENTION: Anti-ErbB2 Antibodies
; FILE REFERENCE: P1467R2
; CURRENT APPLICATION NUMBER: US/11/429,043
; CURRENT FILING DATE: 2006-05-05
; PRIOR APPLICATION NUMBER: US/09/602,812
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: US 60/141,316
; PRIOR FILING DATE: 1999-06-25
; NUMBER OF SEQ ID NOS: 13
; SEQ ID NO 13
; LENGTH: 645
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-429-043-13

```

```

Query Match          36.7%; Score 282; DB 3; Length 645;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

```

```

Qy      2 CVASCPHNFV-VDQITSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
      || :||:| : | || || || :| : || | | : || | :
Db      295 CVTACPYNYLSTDVSGCTLVCPLHNQEVTAEDGTQRCQKCKPCARVCYGLGMEHLREVR 354

Qy      58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLVNVRTVREITGYLNIQS 117
      || :| | | | | | :| | | | :|| | | | : || | :
Db      355 AVTSANIQEFAGCKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy      118 WPPHMHNFVSFVSNLTTIGGR 137
      || : : ||| || | ||
Db      415 WPDSLPDLVSFQNLQVIRGR 434

```

```

RESULT 69
US-11-222-587-13
; Sequence 13, Application US/11222587
; Patent No. 7498030
; GENERAL INFORMATION:
; APPLICANT: Adams, Camellia W.
; APPLICANT: Presta, Leonard G.
; APPLICANT: Sliwowski, Mark X.
; TITLE OF INVENTION: Humanized Anti-ErbB2 Antibodies and Treatment with
; TITLE OF INVENTION: Anti-ErbB2 Antibodies
; FILE REFERENCE: P1467R2
; CURRENT APPLICATION NUMBER: US/11/222,587
; CURRENT FILING DATE: 2005-09-09
; PRIOR APPLICATION NUMBER: US/09/602,812
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: US 60/141,316
; PRIOR FILING DATE: 1999-06-25
; NUMBER OF SEQ ID NOS: 13
; SEQ ID NO 13
; LENGTH: 645

```

```

;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-11-222-587-13

```

```

Query Match          36.7%;   Score 282;   DB 3;   Length 645;
Best Local Similarity 42.1%;
Matches   59;   Conservative   17;   Mismatches   60;   Indels   4;   Gaps   3;

```

```

Qy      2   CVASCPHNFV-VDQTSVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
      || :||:|:| : || || || || :|| : || | | : | | | :
Db      295 CVTACPNYLNSTDVGSCTLVCPHNLQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy      58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
      | :|| | | || | :|| || :|| | ||:| || | : ||||| | :
Db      355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy      118 WPPHMHNFVSFVSNLTIGGR 137
      || : : ||| || | ||
Db      415 WPDSLPDLVSFQNLQVIRGR 434

```

## RESULT 70

```

US-11-223-361-13
; Sequence 13, Application US/11223361
; Patent No. 7501122
; GENERAL INFORMATION:
; APPLICANT: Adams, Camellia W.
; APPLICANT: Presta, Leonard G.
; APPLICANT: Sliwowski, Mark X.
; TITLE OF INVENTION: Humanized Anti-ErbB2 Antibodies and Treatment with
; TITLE OF INVENTION: Anti-ErbB2 Antibodies
; FILE REFERENCE: P1467R2
; CURRENT APPLICATION NUMBER: US/11/223,361
; CURRENT FILING DATE: 2005-09-09
; PRIOR APPLICATION NUMBER: US/09/602,812
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: US 60/141,316
; PRIOR FILING DATE: 1999-06-25
; NUMBER OF SEQ ID NOS: 13
; SEQ ID NO 13
; LENGTH: 645
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-223-361-13

```

```

Query Match          36.7%;   Score 282;   DB 3;   Length 645;
Best Local Similarity 42.1%;
Matches   59;   Conservative   17;   Mismatches   60;   Indels   4;   Gaps   3;

```

```

Qy      2   CVASCPHNFV-VDQTSVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
      || :||:|:| : || || || || :|| : || | | : | | | :
Db      295 CVTACPNYLNSTDVGSCTLVCPHNLQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy      58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
      | :|| | | || | :|| || :|| | ||:| || | : ||||| | :
Db      355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

```



```
; CURRENT APPLICATION NUMBER: US/11/154,465
; CURRENT FILING DATE: 2005-06-16
; PRIOR APPLICATION NUMBER: US/09/602,812
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: US 60/141,316
; PRIOR FILING DATE: 1999-06-25
; NUMBER OF SEQ ID NOS: 13
; SEQ ID NO 13
; LENGTH: 645
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-154-465-13
```

Query Match 36.7%; Score 282; DB 3; Length 645;  
 Best Local Similarity 42.1%;  
 Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

```
Qy      2 CVASCPHNFV-VDQTSVRACPPDKMEVD-KNGLKMCPECGGLCPKACEGTGSG--SRFQ 57
      || :||:|:: | || || || ::| : || | | : | | | :
Db      295 CVTACPNYLSTDVGSCTLVCPHNEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy      58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
      | |::| | | || |::| | | | | | | | | | | | | | :
Db      355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy      118 WPPHMHNFVSFVSNLTITIGR 137
      || : : ||| || | ||
Db      415 WPDSLPDLVSFQNLQVIRGR 434
```

# RESULT 73

```
US-09-493-480-3
; Sequence 3, Application US/09493480
; Patent No. 7198920
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Gheysen, Dirk
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: HER-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009810PC
; CURRENT APPLICATION NUMBER: US/09/493,480
; CURRENT FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 653
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: extracellular domain (ECD) of human HER-2/neu
US-09-493-480-3
```

Query Match 36.7%; Score 282; DB 3; Length 653;  
 Best Local Similarity 42.1%;

Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSVCRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57  
 ||:||:|:|: | || || || :|: | || | | : | | | :  
 Db 295 CVTACPNYLLSTDVGSCTLVCPHNLQEVTAEDGTQRCEKSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117  
 | |:| | | | | |:| | | :|| | |:| | | |: | | | | | :  
 Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFVSFVSNLTTIGGR 137  
 || : : ||| || | ||  
 Db 415 WPDSLPDLVSFQNLQVIRGR 434

## RESULT 74

US-09-632-507A-3

; Sequence 3, Application US/09632507A

; Patent No. 7229623

; GENERAL INFORMATION:

; APPLICANT: Cheever, Martin A.

; APPLICANT: Gheysen, Dirk

; APPLICANT: Corixa Corporation

; APPLICANT: SmithKline Beecham Biologicals S. A.

; TITLE OF INVENTION: Her-2/neu Fusion Proteins

; FILE REFERENCE: 014058-009820US

; CURRENT APPLICATION NUMBER: US/09/632,507A

; CURRENT FILING DATE: 2000-08-03

; PRIOR APPLICATION NUMBER: US 60/117,976

; PRIOR FILING DATE: 1999-01-29

; PRIOR APPLICATION NUMBER: US 09/493,480

; PRIOR FILING DATE: 2000-01-28

; NUMBER OF SEQ ID NOS: 32

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 3

; LENGTH: 653

; TYPE: PRT

; ORGANISM: Homo sapiens

; FEATURE:

; OTHER INFORMATION: extracellular domain (ECD) of human Her-2/neu

US-09-632-507A-3

Query Match 36.7%; Score 282; DB 3; Length 653;

Best Local Similarity 42.1%;

Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSVCRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57  
 ||:||:|:|: | || || || || :|: | || | | : | | | :  
 Db 295 CVTACPNYLLSTDVGSCTLVCPHNLQEVTAEDGTQRCEKSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117  
 | |:| | | | | |:| | | :|| | |:| | | |: | | | | | :  
 Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFVSFVSNLTTIGGR 137  
 || : : ||| || | ||  
 Db 415 WPDSLPDLVSFQNLQVIRGR 434

# RESULT 75

US-09-854-356-3

```
; Sequence 3, Application US/09854356
; Patent No. 7375091
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Gheysen, Dirk
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: HER-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009810PC
; CURRENT APPLICATION NUMBER: US/09/854,356
; CURRENT FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 09/493,480
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 653
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: extracellular domain (ECD) of human HER-2/neu
US-09-854-356-3
```

```
Query Match          36.7%; Score 282; DB 3; Length 653;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;
```

```
Qy      2 CVASCPHFNV-VDQTSVCVRACPPDKMEVD-KNGLKMFCEPGGLCPKACEGTGSG--SRFQ 57
      ||::||::: | || || || ::: | || | | : || | :
Db      295 CVTACPPYNYLSTDVGSCTLVCP LHNQEVTAEDGTQRCCKSKPCARVCYGLGMEHLREVR 354

Qy      58 TVDSSNIDGFEVNCITKILGNLDLFLITGLNGDPWHKIPALDPKLVNFVTRTVEITGYLNIQS 117
      | |::| | | | |::| | | |::| | | |::| | | |::| | | |::
Db      355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy      118 WPPMHNFVSFVSNLTTIGGR 137
      || : : ||| || | ||
Db      415 WPDSLPDLVSFQNLQVIRGR 434
```

# RESULT 76

US-12-291-886-14

```
; Sequence 14, Application US/12291886
; Patent No. 7662586
; GENERAL INFORMATION:
; APPLICANT: Monaci, Paolo
; APPLICANT: Gallo, Pasquale
; APPLICANT: Nuzzo, Maurizio
; TITLE OF INVENTION: SYNTHETIC GENE ENCODING HUMAN EPIDERMAL
; TITLE OF INVENTION: GROWTH FACTOR 2/NEU ANTIGEN AND USES THEREOF
; FILE REFERENCE: ITR0065YP
```

```

; CURRENT APPLICATION NUMBER: US/12/291,886
; CURRENT FILING DATE: 2008-11-14
; PRIOR APPLICATION NUMBER: US/10/565,418
; PRIOR FILING DATE: 2006-01-23
; PRIOR APPLICATION NUMBER: PCT/EP2004/008234
; PRIOR FILING DATE: 2004-04-20
; PRIOR APPLICATION NUMBER: 60/489,237
; PRIOR FILING DATE: 2003-07-21
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 14
; LENGTH: 675
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: HER2ECDTM polypeptide
US-12-291-886-14

```

Query Match 36.7%; Score 282; DB 3; Length 675;  
 Best Local Similarity 42.1%;  
 Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

```

Qy      2 CVASCPHNFV-VDQTSVCRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
      ||:||||: | || || || :||: || | | :| || | :
Db      295 CVTACPNYNLSTDVGSCITLVCPLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy      58 TVDSSNIDGFVNCTIKILGNLDFLITGLNGDPWHKIPALDPEKLVNFVTRVREITGYLNIQS 117
      | |:|| | | || |:| || :|| | ||:| || |: ||||| | :
Db      355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEBITGYLYISA 414

Qy      118 WPPHMHNFVSFNSLTTIGGR 137
      || : : ||| || | ||
Db      415 WPDSLPDLVSFQNLQVIRGR 434

```

# RESULT 77

```

US-09-493-480-7
; Sequence 7, Application US/09493480
; Patent No. 7198920
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Gheysen, Dirk
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: HER-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009810PC
; CURRENT APPLICATION NUMBER: US/09/493,480
; CURRENT FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 712
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:

```



; OTHER INFORMATION: Description of Artificial Sequence:fusion protein  
 ; OTHER INFORMATION: of ECD and delta PD of human HER-2/neu  
 US-09-493-480-7

Query Match 36.7%; Score 282; DB 3; Length 712;  
 Best Local Similarity 42.1%;  
 Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSVCRACPPDKMEVD-KNGLKMCPECGGLCPKACEGTGSG--SRFQ 57  
 ||:||:|:: | || || || :||: || | : | | | :  
 Db 295 CVTACPNYLSSTDVGSCTLCVPLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354  
 Qy 58 TVDSSNIDGFEVNTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117  
 | :|| | | || | :|| || :|| | ||: | |||| | :  
 Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414  
 Qy 118 WPPHMHNFVSFVSNLTIGGR 137  
 || : : ||| || | ||  
 Db 415 WPDSLPDLVSFQNLQVIRGR 434

# RESULT 78

US-09-632-507A-7

; Sequence 7, Application US/09632507A

; Patent No. 7229623

; GENERAL INFORMATION:

; APPLICANT: Cheever, Martin A.

; APPLICANT: Gheysen, Dirk

; APPLICANT: Corixa Corporation

; APPLICANT: SmithKline Beecham Biologicals S. A.

; TITLE OF INVENTION: Her-2/neu Fusion Proteins

; FILE REFERENCE: 014058-009820US

; CURRENT APPLICATION NUMBER: US/09/632,507A

; CURRENT FILING DATE: 2000-08-03

; PRIOR APPLICATION NUMBER: US 60/117,976

; PRIOR FILING DATE: 1999-01-29

; PRIOR APPLICATION NUMBER: US 09/493,480

; PRIOR FILING DATE: 2000-01-28

; NUMBER OF SEQ ID NOS: 32

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 7

; LENGTH: 712

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence:fusion protein

; OTHER INFORMATION: of ECD and delta PD of human Her-2/neu

US-09-632-507A-7

Query Match 36.7%; Score 282; DB 3; Length 712;  
 Best Local Similarity 42.1%;  
 Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSVCRACPPDKMEVD-KNGLKMCPECGGLCPKACEGTGSG--SRFQ 57  
 ||:||:|:: | || || || :||: || | : | | | :  
 Db 295 CVTACPNYLSSTDVGSCTLCVPLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

```

Qy      58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
      | :|:| | | | | :| | | :| | | | | | | | :
Db      355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy      118 WPPHMHNFVSFVSNLTTIGGR 137
      | | : : | | | | | | |
Db      415 WPDSPDLPSVFNQLQVIRGR 434

```

## RESULT 79

US-09-854-356-7

; Sequence 7, Application US/09854356

; Patent No. 7375091

; GENERAL INFORMATION:

; APPLICANT: Cheever, Martin A.

; APPLICANT: Gheysen, Dirk

; APPLICANT: Corixa Corporation

; APPLICANT: SmithKline Beecham Biologicals S. A.

; TITLE OF INVENTION: HER-2/neu Fusion Proteins

; FILE REFERENCE: 014058-009810PC

; CURRENT APPLICATION NUMBER: US/09/854,356

; CURRENT FILING DATE: 2001-05-09

; PRIOR APPLICATION NUMBER: US 09/493,480

; PRIOR FILING DATE: 2000-01-28

; PRIOR APPLICATION NUMBER: US 60/117,976

; PRIOR FILING DATE: 1999-01-29

; NUMBER OF SEQ ID NOS: 26

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 7

; LENGTH: 712

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence: fusion protein

; OTHER INFORMATION: of ECD and delta PD of human HER-2/neu

US-09-854-356-7

Query Match 36.7%; Score 282; DB 3; Length 712;

Best Local Similarity 42.1%;

Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

```

Qy      2 CVASCPHFVVDQTSVCRACPPDKMEVD-KNGLKMCPECGGLCPKACEGTGSG--SRFQ 57
      | | :|:|:|: | | | | | | :|:| | | : | | | :
Db      295 CVTACPNYLSTVDGSCSTLVCP LHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy      58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
      | :|:| | | | | :| | | :| | | | | | | | :
Db      355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy      118 WPPHMHNFVSFVSNLTTIGGR 137
      | | : : | | | | | | |
Db      415 WPDSPDLPSVFNQLQVIRGR 434

```

## RESULT 80

US-09-146-283-4

; Sequence 4, Application US/09146283

```

; Patent No. 5976546
; GENERAL INFORMATION:
;   APPLICANT: Laus, Reiner
;   APPLICANT: Ruegg, Curtis L.
;   APPLICANT: Wu, Hongyu
;   TITLE OF INVENTION: Immunostimulatory Compositions
;   NUMBER OF SEQUENCES: 10
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE: Dehlinger & Associates
;     STREET: 350 Cambridge Ave. Suite 250
;     CITY: Palo Alto
;     STATE: CA
;     COUNTRY: USA
;     ZIP: 94306
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE: Floppy disk
;     COMPUTER: IBM PC compatible
;     OPERATING SYSTEM: PC-DOS/MS-DOS
;     SOFTWARE: PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER: US/09/146,283
;     FILING DATE: 03-SEPT-1998
;     CLASSIFICATION: 536
;   ATTORNEY/AGENT INFORMATION:
;     NAME: Judge, Linda R.
;     REGISTRATION NUMBER: 42,702
;     REFERENCE/DOCKET NUMBER: 7636-0010.21
;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE: 650-324-0880
;     TELEFAX: 650-324-0960
;   INFORMATION FOR SEQ ID NO: 4:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH: 782 amino acids
;       TYPE: amino acid
;       TOPOLOGY: linear
;     MOLECULE TYPE: protein
;     HYPOTHETICAL: NO
;     ORIGINAL SOURCE:
;       ORGANISM: homo sapiens
;       INDIVIDUAL ISOLATE: GM-CSF-Her-2 fusion protein; Fig. 8
US-09-146-283-4

```

```

Query Match          36.7%; Score 282; DB 1; Length 782;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

```

```

Qy      2 CVASCPHNFV-VDQTSQVACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
      ||::|::| || || || || ||::|::| || ||::|::|
Db      295 CVTACPNYNYLSTDVGSCTLVCPHNNQEVTAEDGTQRCEKSKPCARVCYGLGMEHLREVR 354

Qy      58 TVDSSNIDGFVNCITKILGNLDFLITGLNGDPWHKIPALDPKLVNFVTRVREITGYLNIQS 117
      |::| | | ||::| ||::|::| |::| |::| |::|::|::|
Db      355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy      118 WPPHMHNFVSFVSNLTTIGGR 137
      ||::|::| || || ||
Db      415 WPDSPDLVSFVQNLQVIRG 434

```

RESULT 81

US-08-579-823A-4

```
; Sequence 4, Application US/08579823A
; Patent No. 6080409
; GENERAL INFORMATION:
; APPLICANT: Laus, Reiner
; APPLICANT: Ruegg, Curtis L.
; APPLICANT: Wu, Hongyu
; TITLE OF INVENTION: Immunostimulatory Composition and Method
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dehlinger & Associates
; STREET: 350 Cambridge Ave. Suite 250
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/579,823A
; FILING DATE: 03-DEC-1998
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Judge, Linda R.
; REGISTRATION NUMBER: 42,702
; REFERENCE/DOCKET NUMBER: 7636-0010
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-324-0880
; TELEFAX: 650-324-0960
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 782 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; ORGANISM: homo sapiens
; INDIVIDUAL ISOLATE: GM-CSF-Her-2 fusion protein; Fig. 8
US-08-579-823A-4
```

Query Match 36.7%; Score 282; DB 2; Length 782;  
 Best Local Similarity 42.1%;  
 Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

```
Qy      2 CVASCPHFNV-VQDTSCVRACPPDKMEVD-KNGLKMCPECGGLCPKACEGTGSG--SRFQ 57
      ||:|:|:|:| | || || || :|:| | | :| | | :
Db      295 CVTACPYNYLSTDVGSCTLVCPLHNQEVTAEDGTQRCEKCKSPCARVCYGLGMEHLREVR 354

Qy      58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
      | |:| | | || |:| || :|| | |:| || |: ||||| | :
```

Db 355 AVTSANIQEFAGCKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFVSFVSNLTTIGGR 137  
|| : : ||| || | ||

Db 415 WPDSPDLSPVFNQLQVIRGR 434

## RESULT 82

US-09-344-195-4

; Sequence 4, Application US/09344195

; Patent No. 6210662

; GENERAL INFORMATION:

; APPLICANT: Laus, Reiner

; Ruegg, Curtis L.

; Wu, Hongyu

; TITLE OF INVENTION: Immunostimulatory Compositions

; NUMBER OF SEQUENCES: 10

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Dehlinger &amp; Associates

; STREET: 350 Cambridge Ave. Suite 250

; CITY: Palo Alto

; STATE: CA

; COUNTRY: USA

; ZIP: 94306

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/344,195

; FILING DATE: 24-Jun-1999

; CLASSIFICATION: &lt;Unknown&gt;

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US/09/146,283

; FILING DATE: 03-SEPT-1998

; ATTORNEY/AGENT INFORMATION:

; NAME: Judge, Linda R.

; REGISTRATION NUMBER: 42,702

; REFERENCE/DOCKET NUMBER: 7636-0010.21

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 650-324-0880

; TELEFAX: 650-324-0960

; INFORMATION FOR SEQ ID NO: 4:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 782 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

; HYPOTHETICAL: NO

; ORIGINAL SOURCE:

; ORGANISM: homo sapiens

; INDIVIDUAL ISOLATE: GM-CSF-Her-2 fusion protein; Fig. 8

; SEQUENCE DESCRIPTION: SEQ ID NO: 4:

US-09-344-195-4

Query Match 36.7%; Score 282; DB 2; Length 782;

Best Local Similarity 42.1%;  
 Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSVCRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57  
 || :||:|: | || || || :| : || | | : || | :  
 Db 295 CVTACPNYLNSTDVGSCTLVCPHNEQVTAEDGTQRCEKCKSPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117  
 | :|| | | || | :| | :|| | | : |||| | :  
 Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFVSFVSNLTTIGGR 137  
 || : : ||| || | ||  
 Db 415 WPDSPDLSPVFNQLQVIRGR 434

# RESULT 83

US-09-493-480-6

; Sequence 6, Application US/09493480

; Patent No. 7198920

; GENERAL INFORMATION:

; APPLICANT: Cheever, Martin A.

; APPLICANT: Gheysen, Dirk

; APPLICANT: Corixa Corporation

; APPLICANT: SmithKline Beecham Biologicals S. A.

; TITLE OF INVENTION: HER-2/neu Fusion Proteins

; FILE REFERENCE: 014058-009810PC

; CURRENT APPLICATION NUMBER: US/09/493,480

; CURRENT FILING DATE: 2000-01-28

; PRIOR APPLICATION NUMBER: US 60/117,976

; PRIOR FILING DATE: 1999-01-29

; NUMBER OF SEQ ID NOS: 26

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 6

; LENGTH: 919

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence:fusion protein

; OTHER INFORMATION: of ECD and PD of human HER-2/neu

US-09-493-480-6

Query Match 36.7%; Score 282; DB 3; Length 919;  
 Best Local Similarity 42.1%;  
 Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSVCRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57  
 || :||:|: | || || || :| : || | | : || | :  
 Db 295 CVTACPNYLNSTDVGSCTLVCPHNEQVTAEDGTQRCEKCKSPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117  
 | :|| | | || | :| | :|| | | : |||| | :  
 Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFVSFVSNLTTIGGR 137  
 || : : ||| || | ||  
 Db 415 WPDSPDLSPVFNQLQVIRGR 434

## RESULT 84

US-09-632-507A-6

; Sequence 6, Application US/09632507A  
 ; Patent No. 7229623  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Cheever, Martin A.  
 ; APPLICANT: Gheysen, Dirk  
 ; APPLICANT: Corixa Corporation  
 ; APPLICANT: SmithKline Beecham Biologicals S. A.  
 ; TITLE OF INVENTION: Her-2/neu Fusion Proteins  
 ; FILE REFERENCE: 014058-009820US  
 ; CURRENT APPLICATION NUMBER: US/09/632,507A  
 ; CURRENT FILING DATE: 2000-08-03  
 ; PRIOR APPLICATION NUMBER: US 60/117,976  
 ; PRIOR FILING DATE: 1999-01-29  
 ; PRIOR APPLICATION NUMBER: US 09/493,480  
 ; PRIOR FILING DATE: 2000-01-28  
 ; NUMBER OF SEQ ID NOS: 32  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 6  
 ; LENGTH: 919  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Description of Artificial Sequence: fusion protein  
 ; OTHER INFORMATION: of ECD and PD of human Her-2/neu

US-09-632-507A-6

Query Match 36.7%; Score 282; DB 3; Length 919;  
 Best Local Similarity 42.1%;  
 Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy	2	CVASCPHNFV-VDQTSVCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ	57
		: : :                : :            :	
Db	295	CVTACPNYLSTDVGSCTLVCPHNEVTAEDGTQRCEKSKPCARVCYGLGMEHLREVR	354
Qy	58	TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS	117
		: :          : :            : :          :	
Db	355	AVTSANIQEFAGCKKIFGSLAFLPESFDGPASNTAPLQPEQLQVFETLEEITGYLYISA	414
Qy	118	WPPHMHNFVSFVSNLTTIGGR	137
		:	
Db	415	WFDLSLPDLSVFNQLQVIRGR	434

## RESULT 85

US-09-854-356-6

; Sequence 6, Application US/09854356  
 ; Patent No. 7375091  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Cheever, Martin A.  
 ; APPLICANT: Gheysen, Dirk  
 ; APPLICANT: Corixa Corporation  
 ; APPLICANT: SmithKline Beecham Biologicals S. A.  
 ; TITLE OF INVENTION: HER-2/neu Fusion Proteins

```

; FILE REFERENCE: 014058-009810PC
; CURRENT APPLICATION NUMBER: US/09/854,356
; CURRENT FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 09/493,480
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 919
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:fusion protein
; OTHER INFORMATION: of ECD and PD of human HER-2/neu
US-09-854-356-6

```

Query Match 36.7%; Score 282; DB 3; Length 919;  
Best Local Similarity 42.1%;  
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy	2	CVASCPHFNV--VDQTSVCVRACPPDKMEVD--KNGLKMCCEPCGGLCPKACEGTGG--SRFQ	57
		:   :   :   :   :   :   :   :   :   :   :   :   :   :   :   :	
Db	295	CVTATCPYNYLSTDVSGSCTLVCLPHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR	354
		:   :   :   :   :   :   :   :   :   :   :   :   :   :   :   :	
Qy	58	TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS	117
		:   :   :   :   :   :   :   :   :   :   :   :   :   :   :   :	
Db	355	AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA	414
		:   :   :   :   :   :   :   :   :   :   :   :   :   :   :   :	
Qy	118	WPPHMHNFVSFVSNLTTIGGR	137
		:   :   :   :   :   :   :   :   :   :   :   :   :   :   :   :	
Db	415	WPDSLPLDLVSFONLOVIRGR	434

RESULT 86

```

US-09-632-507A-29
; Sequence 29, Application US/09632507A
; Patent No. 7229623
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Gheysen, Dirk
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: Her-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009820US
; CURRENT APPLICATION NUMBER: US/09/632,507A
; CURRENT FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: US 09/493,480
; PRIOR FILING DATE: 2000-01-28
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 29
; LENGTH: 926
; TYPE: PRT

```



```

; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:mouse
; OTHER INFORMATION: ECD-PD-TcP0 fusion protein
US-09-632-507A-29

```

```

Query Match          36.7%; Score 282; DB 3; Length 926;
Best Local Similarity 41.5%;
Matches 59; Conservative 18; Mismatches 57; Indels 8; Gaps 4;

```

```

Qy      2 CVASCPHNFFVVDQT-SCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTG----SGSR 55
      ||::||::: || |||: || ::|| || || || || ||
Db      296 CVTTCPYNYLSTEVGSCITLVCPNNQEVTAEDGTQRCEKSKPCAGVCYGLGMEHLRGAR 355

Qy      56 FQTVDSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNI 115
      : ||| | ||| |:| || ::| : | || || |: ||||| |
Db      356 --AITSNIIQEFAGCKIKFGLAFLPESFDGNPSSGVAPLKPHEHLQVFETLEEITGYLYI 413

Qy      116 QSWPPHMHNFVSFVSNLTTIGGR 137
      :|| : ||| || | ||
Db      414 SAWPESFQDLSEVFQNLRVIRGR 435

```

## RESULT 87

US-10-146-473-72

```

; Sequence 72, Application US/10146473
; Patent No. 7335467
; GENERAL INFORMATION:
; APPLICANT: Scanlan, Matthew
; APPLICANT: Gout, Ivan
; APPLICANT: Stockert, Elisabeth
; APPLICANT: Gure, Ali
; APPLICANT: Chen, Yao-Tseng
; APPLICANT: Old, Lloyd
; TITLE OF INVENTION: Breast Cancer Antigens
; FILE REFERENCE: L00461/70130(JRV)
; CURRENT APPLICATION NUMBER: US/10/146,473
; CURRENT FILING DATE: 2002-05-15
; PRIOR APPLICATION NUMBER: US 60/291,150
; PRIOR FILING DATE: 2001-05-15
; NUMBER OF SEQ ID NOS: 82
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 72
; LENGTH: 1253
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-146-473-72

```

```

Query Match          36.7%; Score 282; DB 3; Length 1253;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

```

```

Qy      2 CVASCPHNFFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
      ||::||::: || ||| || || ::|| || || || || ||
Db      295 CVTACPYNYLSTDVGSCITLVCPHNNQEVTAEDGTQRCEKSKPCARVCYGLGMEHLREVR 354

Qy      58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117

```

```

      | :|| | | || :| || :|| | ||:| || |: ||||| | :
Db      355 AVTSANTIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy      118 WPPHMHNFVSFVSNLTTIGGR 137
      || : : ||| || | ||
Db      415 WPDSLPDLVSVFQNLQVIRGR 434

```

## RESULT 88

US-08-467-083-68

; Sequence 68, Application US/08467083

; Patent No. 5726023

; GENERAL INFORMATION:

; APPLICANT: Cheever, Martin A.

; APPLICANT: Disis, Mary L.

; TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/NEU PROTEIN

; TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE

; TITLE OF INVENTION: HER-2/NEU ONCOGENE IS ASSOCIATED

; NUMBER OF SEQUENCES: 68

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Seed and Berry

; STREET: 6300 Columbia Center, 701 Fifth Avenue

; CITY: Seattle

; STATE: Washington

; COUNTRY: US

; ZIP: 98104-7092

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/467,083

; FILING DATE: 06-JUN-1995

; CLASSIFICATION: 424

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/414,417

; FILING DATE: 06-JUN-1995

; ATTORNEY/AGENT INFORMATION:

; NAME: Sharkey, Richard G.

; REGISTRATION NUMBER: 32,629

; REFERENCE/DOCKET NUMBER: 920010.448C2

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (206) 622-4900

; TELEFAX: (206) 682-6031

; TELEX: 3723836 SEEDANBERRY

; INFORMATION FOR SEQ ID NO: 68:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1255 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

US-08-467-083-68

Query Match 36.7%; Score 282; DB 1; Length 1255;

Best Local Similarity 42.1%;

Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;



[http://es.ScoreAccessWeb/GetItem.action?AppId=10516...0-516-759a-16\\_copv\\_2\\_139.ra1&ItemType=4&startByte=0\(76 of 125\)11/20/2010 6:26:14 PM](http://es.ScoreAccessWeb/GetItem.action?AppId=10516...0-516-759a-16_copv_2_139.ra1&ItemType=4&startByte=0(76 of 125)11/20/2010 6:26:14 PM)

```

; REFERENCE/DOCKET NUMBER: 5624-230
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1255 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
US-08-484-438-8

```

Query Match 36.7%; Score 282; DB 1; Length 1255;  
Best Local Similarity 42.1%;  
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCPCGGLCPKACEGTGSG--SRFQ 57  
||::|::| || || ::|::| | :||| :  
Db 295 CVTACPYNYLSTDVGSCTLVCPHNOEVTAEADGTORCEKCKSPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117  
| :|:| | | | | :| | :|| | | :| | | :| | | | :  
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLOPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNF SVFSNLTTIGGR 137  
|| : : ||| || | ||  
Db 415 WPDSLPLDLSVFONLOVIRGR 434

RESULT 91

```

US-08-486-348A-68
; Sequence 68, Application US/08486348A
; Patent No. 5846538
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Disis, Mary L.
; TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN
; TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE
; TITLE OF INVENTION: HER-2/neu ONCOGENE IS ASSOCIATED
; NUMBER OF SEQUENCES: 69
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seed and Berry LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: US
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/486,348A
; FILING DATE: 07-JUN-1995

```

```

; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Sharkey, Richard G.
; REGISTRATION NUMBER: 32,629
; REFERENCE/DOCKET NUMBER: 920010.448C6
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 68:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1255 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
US-08-486-348A-68

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Query Match 36.7%; Score 282; DB 1; Length 1255;  
 Best Local Similarity 42.1%;  
 Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

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Qy      2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
      ||::||::| || || ||::||::||::||::|
Db     295 CVTACPYNYLSTVDVGSCSTLVCPLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy     58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
      |::|| | || ||::||::||::||::||::||::||::||::||::||::||::|
Db    355 AVTSANTQYEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy     118 WPPHMHNFVSFVSNLTTIGGR 137
      ||::||::||::||::||::||
Db    415 WPDSLPDLVSFQNLQVIRGR 434

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## RESULT 92

US-08-625-101-2

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; Sequence 2, Application US/08625101
; Patent No. 5869445
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Disis, Mary L.
; TITLE OF INVENTION: COMPOUNDS FOR ELICITING OR ENHANCING IMMUNE
; TITLE OF INVENTION: REACTIVITY TO HER-2/neu PROTEIN FOR PREVENTION
; TITLE OF INVENTION: OR TREATMENT OF MALIGNANCIES IN WHICH THE HER-2/neu
; TITLE OF INVENTION: ONCOGENE IS ASSOCIATED
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:

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[http://es.ScoreAccessWeb/GetItem.action?AppId=10516...0-516-759a-16\\_copy\\_2\\_139.ra1&ItemType=4&startByte=0 \(79 of 125\)11/20/2010 6:26:14 PM](http://es.ScoreAccessWeb/GetItem.action?AppId=10516...0-516-759a-16_copy_2_139.ra1&ItemType=4&startByte=0 (79 of 125)11/20/2010 6:26:14 PM)

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;   SOFTWARE: PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/468,545B
;   FILING DATE: 06-JUN-1995
;   CLASSIFICATION: 424
;   ATTORNEY/AGENT INFORMATION:
;   NAME: Sharkey, Richard G.
;   REGISTRATION NUMBER: 32,629
;   REFERENCE/DOCKET NUMBER: 920010.448C5
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE: (206) 622-4900
;   TELEFAX: (206) 682-6031
;   INFORMATION FOR SEQ ID NO: 68:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH: 1255 amino acids
;   TYPE: amino acid
;   TOPOLOGY: linear
US-08-468-545B-68

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Query Match 36.7%; Score 282; DB 1; Length 1255;  
 Best Local Similarity 42.1%;  
 Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

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Qy      2 CVASCPHFVVDQTSVCRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
      ||:||:|:|:| || || || ||:|:| || | |:| | |
Db      295 CVTACPNYVSTDVGSCTLVCPHNEVTAEDGTQRCEKCKSPKARVCYGLGMEHLREVR 354

Qy      58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLVNFRVREITGYLNIQS 117
      | |:| | | || |:| | | :|| | |:| | | |:| | | |
Db      355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEBITGYLYISA 414

Qy      118 WPPHMHNFVSFVSNLTITIGR 137
      || : : ||| || | ||
Db      415 WPDSPDLVSFQNLQVIRGR 434

```

# RESULT 94

US-08-356-786-2

```

; Sequence 2, Application US/08356786
; Patent No. 5877305
; GENERAL INFORMATION:
;   APPLICANT: Huston, James S.
;   APPLICANT: Oppermann, Hermann
;   APPLICANT: Houston, L. L.
;   APPLICANT: Ring, David B.
;   TITLE OF INVENTION: Biosynthetic Binding Protein for Cancer
;   TITLE OF INVENTION: Marker
;   NUMBER OF SEQUENCES: 16
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Edmund R. Pitcher, Testa, Hurwitz, & Thibault
;   STREET: Exchange Place, 53 State Street
;   CITY: Boston
;   STATE: Massachusetts
;   COUNTRY: USA
;   ZIP: 02109
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE: Floppy disk

```



```

;      COMPUTER:   IBM PC compatible
;
;      SOFTWARE:   PatentIn Release #1.0, Version #1.25
;
;      CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/356,786
;      FILING DATE:
;      CLASSIFICATION:  424
;      PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/831,967
;      FILING DATE:  06-FEB-1992
;      ATTORNEY/AGENT INFORMATION:
;      NAME:  Pitcher, Edmund R.
;      REGISTRATION NUMBER:  27,829
;      REFERENCE/DOCKET NUMBER:  CRP-053
;      TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617) 248-7000
;      TELEFAX:  (617) 248-7100
;      INFORMATION FOR SEQ ID NO:  2:
;      SEQUENCE CHARACTERISTICS:
;      LENGTH:  1255 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;      MOLECULE TYPE:  protein
US-08-356-786-2

```

```

Query Match      36.7%;  Score 282;  DB 1;  Length 1255;
Best Local Similarity  42.1%;
Matches  59;  Conservative  17;  Mismatches  60;  Indels  4;  Gaps  3;

```

```

Qy      2  CVASCPHNFV-VDQTSVCRACPPDKMEVD-KNGLKMCEPCGGCLCPKACEGTGSG--SRFQ  57
      ||:|:|:|:|  |  ||  ||  ||  ::|  :  ||  |  |  :  ||  |  :
Db      295  CVTACPNYNYLSTVDGSCCTLVCPHNGEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR  354

Qy      58  TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS  117
      |  |:|  |  |  ||  |:|  ||  :||  |  |:|  |  |  |:  |||||  |  :
Db      355  AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEBITGYLYISA  414

Qy      118  WPPHMHNFVSFVSNLTITIGR  137
      ||  :  :  |||  ||  |  ||
Db      415  WPDSLPDLVSFQNLQVIRGR  434

```

## RESULT 95

```

US-08-466-680B-68
; Sequence 68, Application US/08466680B
; Patent No. 6075122
; GENERAL INFORMATION:
; APPLICANT:  Cheever, Martin A.
; APPLICANT:  Disis, Mary L.
; TITLE OF INVENTION:  IMMUNE REACTIVITY TO HER-2/neu PROTEIN
; TITLE OF INVENTION:  FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE
; TITLE OF INVENTION:  HER-2/neu ONCOGENE IS ASSOCIATED
; NUMBER OF SEQUENCES:  69
; CORRESPONDENCE ADDRESS:
; ADDRESSEE:  Seed and Berry LLP
; STREET:  6300 Columbia Center, 701 Fifth Avenue
; CITY:  Seattle

```

[http://es.ScoreAccessWeb/GetItem.action?AppId=10516...0-516-759a-16\\_copv\\_2\\_139.ra1&ItemType=4&startByte=0](http://es.ScoreAccessWeb/GetItem.action?AppId=10516...0-516-759a-16_copv_2_139.ra1&ItemType=4&startByte=0) (82 of 125) | 1/20/2010 6:26:14 PM

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; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-527-487-2
```

```
Query Match      36.7%; Score 282; DB 2; Length 1255;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;
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```
Qy      2 CVASCPHNFV-VDQTSVCRACPPDKMEVD-KNGLKMCPECGGLCPKACEGTGSG--SRFQ 57
      || :||:|:: | || || || :|| : || | | : | | | :
Db      295 CVTACPNYLTSTVDGSCSTLVCPHNLQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy      58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
      | :|| | | || | :|| || :|| | ||:| || | : ||||| | :
Db      355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy      118 WPPHMHNFVSFVSNLTTIGGR 137
      || : : ||| || | ||
Db      415 WPDSLPDLVSFQNLQVIRGR 434
```

# RESULT 97

```
US-09-811-115-3
; Sequence 3, Application US/09811115
; Patent No. 6632979
; GENERAL INFORMATION:
; APPLICANT: Erickson, Sharon
; APPLICANT: Schwall, Ralph
; APPLICANT: King, Kathleen
; TITLE OF INVENTION: HER-2 TRANSGENIC NON-HUMAN TUMOR MODEL
; FILE REFERENCE: GENENT.034A
; CURRENT APPLICATION NUMBER: US/09/811,115
; CURRENT FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/189,844
; PRIOR FILING DATE: 2000-03-16
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-811-115-3
```

```
Query Match      36.7%; Score 282; DB 2; Length 1255;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;
```

```
Qy      2 CVASCPHNFV-VDQTSVCRACPPDKMEVD-KNGLKMCPECGGLCPKACEGTGSG--SRFQ 57
      || :||:|:: | || || || :|| : || | | : | | | :
Db      295 CVTACPNYLTSTVDGSCSTLVCPHNLQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy      58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
      | :|| | | || | :|| || :|| | ||:| || | : ||||| | :
Db      355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy      118 WPPHMHNFVSFVSNLTTIGGR 137
      || : : ||| || | ||
```

Db 415 WPDSPDLVSFQNLQVIRGR 434

RESULT 98

US-09-354-533-68

; Sequence 68, Application US/09354533

; Patent No. 6664370

; GENERAL INFORMATION:

; APPLICANT: Cheever, Martin A.

; Disis, Mary L.

; TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN

; FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE

; HER-2/neu ONCOGENE IS ASSOCIATED

; NUMBER OF SEQUENCES: 69

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Seed and Berry LLP

; STREET: 6300 Columbia Center, 701 Fifth Avenue

; CITY: Seattle

; STATE: Washington

; COUNTRY: US

; ZIP: 98104-7092

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/354,533

; FILING DATE: 15-Jul-1999

; CLASSIFICATION: <Unknown>

; ATTORNEY/AGENT INFORMATION:

; NAME: Sharkey, Richard G.

; REGISTRATION NUMBER: 32,629

; REFERENCE/DOCKET NUMBER: 920010.448C9

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (206) 622-4900

; TELEFAX: (206) 682-6031

; INFORMATION FOR SEQ ID NO: 68:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1255 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; SEQUENCE DESCRIPTION: SEQ ID NO: 68:

US-09-354-533-68

Query Match 36.7%; Score 282; DB 2; Length 1255;

Best Local Similarity 42.1%;

Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy	2	CVASCPHNFV-VDQTSVCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ	57
		: : :  :          : :  :          :	
Db	295	CVTACPNYNLSTDVGSCTLVCPHNLQEVTAEDGTQRCEKSKPCARVCYGLGMEHLREVR	354
Qy	58	TVDSSNIDGFCVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLVNFRTVREITGYLNIQS	117
		: :          :      :          :          :	
Db	355	AVTSANIQEFAGCKKIFGSLAFLPESEFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA	414

Qy 118 WPPHMHNFVSFVSNLTTIGGR 137  
 || : : ||| || | ||  
 Db 415 WFDLPLDLSVFNQLQVIRGR 434

## RESULT 99

US-09-441-411-6

; Sequence 6, Application US/09441411  
 ; Patent No. 6734172  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Scholler, Nathalie B.  
 ; APPLICANT: Disis, Mary L.  
 ; APPLICANT: Hellstrom, Ingegerd  
 ; APPLICANT: Hellstrom, Karl Erik  
 ; TITLE OF INVENTION: SURFACE RECEPTOR ANTIGEN VACCINES  
 ; FILE REFERENCE: 730033.409  
 ; CURRENT APPLICATION NUMBER: US/09/441,411  
 ; CURRENT FILING DATE: 1999-11-16  
 ; NUMBER OF SEQ ID NOS: 26  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO 6  
 ; LENGTH: 1255  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-09-441-411-6

Query Match 36.7%; Score 282; DB 2; Length 1255;  
 Best Local Similarity 42.1%;  
 Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHFNVVDQTSVCVRACPPDKMEVD-KNGLKMCPECGGLCPKACEGTGSG--SRFQ 57  
 || :||:| : | || || || :| : || | | : || | :  
 Db 295 CVTACPPYNYLSTDVGSCTLVCP LHNQEVTAEDGTQRCEKSKPCARVCYGLGMEHLREVR 354  
 Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117  
 | | :| | | | | | :| | | :|| | | | : |||| | :  
 Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414  
 Qy 118 WPPHMHNFVSFVSNLTTIGGR 137  
 || : : ||| || | ||  
 Db 415 WFDLPLDLSVFNQLQVIRGR 434

## RESULT 100

US-09-167-516-2

; Sequence 2, Application US/09167516  
 ; Patent No. 6953573  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Cheever, Martin A.  
 ; APPLICANT: Disis, Mary L.  
 ; TITLE OF INVENTION: COMPOUNDS FOR ELICITING OR ENHANCING IMMUNE  
 ; TITLE OF INVENTION: REACTIVITY TO HER-2/neu PROTEIN FOR PREVENTION  
 ; TITLE OF INVENTION: OR TREATMENT OF MALIGNANCIES IN WHICH THE HER-2/neu  
 ; TITLE OF INVENTION: ONCOGENE IS ASSOCIATED  
 ; NUMBER OF SEQUENCES: 4  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: SEED and BERRY LLP

```

; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/167,516
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/625,101
; FILING DATE: 01-APR-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Sharkey, Richard G.
; REGISTRATION NUMBER: 32,629
; REFERENCE/DOCKET NUMBER: 920010.448C7
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1255 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-167-516-2

```

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Query Match          36.7%; Score 282; DB 2; Length 1255;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

```

```

Qy      2 CVASCPHFNV-VQDTSCVRACPPDKMEVD-KNGLKMCPECGGLCPKACEGTGSG--SRFQ 57
      ||:|:|:|:| | || || || :|:| | | :| | | :
Db      295 CVTACPNYLSTDVGSCSTLVCPLHNQEVTAEDGTQRCCKSKPCARVCYGLGMEHLREVR 354

Qy      58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
      | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      355 AVTSANIQEFAGCKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy      118 WPPHMHNFVSFVSNLTITIGGR 137
      || : : || | | | | |
Db      415 WPDSPDLSVFNQLQVIRGR 434

```

```

RESULT 101
US-09-806-703A-4
; Sequence 4, Application US/09806703A
; Patent No. 7005498
; GENERAL INFORMATION:
; APPLICANT: Steinaa, Lucilla
; APPLICANT: Mouritsen, Soren
; APPLICANT: Gautam, Anand

```

[http://es.ScoreAccessWeb/GetItem.action?AppId=10516...0-516-759a-16\\_copy\\_2\\_139.ra1&ItemType=4&startByte=0](http://es.ScoreAccessWeb/GetItem.action?AppId=10516...0-516-759a-16_copy_2_139.ra1&ItemType=4&startByte=0) (87 of 125)11/20/2010 6:26:14 PM

; PRIOR FILING DATE: 2000-06-23  
; NUMBER OF SEQ ID NOS: 11  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 9  
; LENGTH: 1255  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-811-123-9

Query Match 36.7%; Score 282; DB 3; Length 1255;  
Best Local Similarity 42.1%;  
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSVCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57  
||:|:|:|:| | | | | | | | | | | | | | | | :  
Db 295 CVTACPNYNYLSTDVGSCTLVCPHNNQEVTAEDGTQRCEKSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTIKILGNLDFLITGLNGDPWHKIPALDPKLNVFRTVREITGYLNIQS 117  
| | : | | | | | | | | | | | | | | | | | :  
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFVSFVSNLTTIGGR 137  
| | : | | | | | | | | | | | | | | | | |  
Db 415 WPDSPDLDSVFNQLQVIRGR 434

## RESULT 103

US-10-272-437B-28

; Sequence 28, Application US/10272437B  
; Patent No. 7098302

## ; GENERAL INFORMATION:

; APPLICANT: Krag, David N.  
; APPLICANT: Pero, Stephanie C.  
; APPLICANT: Oligino, Lyn  
; TITLE OF INVENTION: BINDING PEPTIDES SPECIFIC FOR THE EXTRACELLULAR DOMAIN OF ERBB2 AND  
; TITLE OF INVENTION: USES THEREFOR  
; FILE REFERENCE: V0139.70056US00  
; CURRENT APPLICATION NUMBER: US/10/272,437B  
; CURRENT FILING DATE: 2002-10-15  
; PRIOR APPLICATION NUMBER: 60/329,183  
; PRIOR FILING DATE: 2001-10-12  
; NUMBER OF SEQ ID NOS: 47  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 28  
; LENGTH: 1255  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-272-437B-28

Query Match 36.7%; Score 282; DB 3; Length 1255;  
Best Local Similarity 42.1%;  
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSVCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57  
||:|:|:|:| | | | | | | | | | | | | | | | :  
Db 295 CVTACPNYNYLSTDVGSCTLVCPHNNQEVTAEDGTQRCEKSKPCARVCYGLGMEHLREVR 354



```

Qy      58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
      | :|| | | || | :|| | :|| | ||:| || |: ||||| | :
Db      355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy      118 WPPHMHNFVSFVSNLTTIGGR 137
      || : : ||| || | ||
Db      415 WPDSPDLPSVFNQLQVIRGR 434

```

## RESULT 104

US-10-207-498-6

; Sequence 6, Application US/10207498

; Patent No. 7125680

; GENERAL INFORMATION:

; APPLICANT: Elizabeth Singer

; APPLICANT: Ralf Landgraf

; APPLICANT: Dennis J. Siamon

; APPLICANT: David Eisenberg

; TITLE OF INVENTION: METHODS AND MATERIALS FOR CHARACTERIZING

; TITLE OF INVENTION: AND MODULATING INTERACTIONS BETWEEN HEREGULIN AND HER3

; FILE REFERENCE: 30448.103-US-U1

; CURRENT APPLICATION NUMBER: US/10/207,498

; CURRENT FILING DATE: 2002-07-29

; PRIOR APPLICATION NUMBER: 60/308,431

; PRIOR FILING DATE: 2001-07-27

; NUMBER OF SEQ ID NOS: 24

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 6

; LENGTH: 1255

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-207-498-6

Query Match 36.7%; Score 282; DB 3; Length 1255;

Best Local Similarity 42.1%;

Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

```

Qy      2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
      || :||:|: | || || || :||:|:| || || :||:|:| || :
Db      295 CVTACPNYLNSTDVGSCTLVCPHNLNQEVTAEDGTQRCEKCKSPCARVCYGLGMEHLREVR 354

```

```

Qy      58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
      | :|| | | || | :|| | :|| | ||:| || |: ||||| | :
Db      355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

```

```

Qy      118 WPPHMHNFVSFVSNLTTIGGR 137
      || : : ||| || | ||
Db      415 WPDSPDLPSVFNQLQVIRGR 434

```

## RESULT 105

US-10-322-892-4

; Sequence 4, Application US/10322892

; Patent No. 7133725

; GENERAL INFORMATION:

; APPLICANT: STIRBL, ROBERT C.

; APPLICANT: SNEAD, MALCOLM L.

```
; APPLICANT: XU, JIMMY
; APPLICANT: VITETTA, ELLEN S.
; APPLICANT: WILK, PETER J.
; TITLE OF INVENTION: METHOD AND RELATED COMPOSITION EMPLOYING NANOSTRUCTURES
; FILE REFERENCE: W07-505
; CURRENT APPLICATION NUMBER: US/10/322,892
; CURRENT FILING DATE: 2002-12-18
; PRIOR APPLICATION NUMBER: 60/342,894
; PRIOR FILING DATE: 2001-12-19
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-322-892-4
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Query Match 36.7%; Score 282; DB 3; Length 1255;  
 Best Local Similarity 42.1%;  
 Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

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Qy      2 CVASCPHNFV-VDQTSVCVRACPPDKMEVD-KNGLKMCEPCGGGLCPKACEGTGSG--SRFQ 57
      ||:|:|:|:| | || || || :|:| | | :| | | :
Db      295 CVTACPNYLSTDVGSCTLVCPLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy      58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
      ||:| | | | | |:| | | :|| | | | | | | :
Db      355 AVTSANIQEFAGCKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy      118 WPPMHNFVSFVSNLTTIGGR 137
      || : : || | | | ||
Db      415 WPDSLPDLVSFQNLQVIRGR 434
```

# RESULT 106

```
US-10-253-286-553
; Sequence 553, Application US/10253286
; Patent No. 7179645
; GENERAL INFORMATION:
; APPLICANT: HUMPHREYS, ROBERT
; APPLICANT: XU, MINZHEN
; TITLE OF INVENTION: Ii-KEY/ANTIGENIC EPITOPE HYBRID PEPTIDE VACCINES
; FILE REFERENCE: REH-2015
; CURRENT APPLICATION NUMBER: US/10/253,286
; CURRENT FILING DATE: 2003-01-13
; PRIOR APPLICATION NUMBER: 10/197,000
; PRIOR FILING DATE: 2002-07-17
; PRIOR APPLICATION NUMBER: 09/396,813
; PRIOR FILING DATE: 1999-09-14
; NUMBER OF SEQ ID NOS: 905
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 553
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-253-286-553
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Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

```

Qy      2 CVASCPHNFV-VDQTSVCRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
      ||:|:|:|:|:| || || || ||:|:| || | |:| | |
Db      295 CVTACPNYLNSTDVGSCTLVCPHNLQEVTAEDGTQRCEKSKPCARVCYGLGMEHLREVR 354

Qy      58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
      | |:| | | | | |:| | | | | | | |:| | | | | | | |
Db      355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy      118 WPPHMHNFVSFVSNLTTIGGR 137
      || : : ||| || | ||
Db      415 WPDSPDLSPVSVFQNLQVIRGR 434

```

## RESULT 108

US-10-394-322A-17  
 ; Sequence 17, Application US/10394322A  
 ; Patent No. 7202033  
 ; GENERAL INFORMATION:  
 ; APPLICANT: SUNESIS PHARMACEUTICALS, INC.  
 ; APPLICANT: Prescott, John C.  
 ; TITLE OF INVENTION: IDENTIFICATION OF KINASE INHIBITORS  
 ; FILE REFERENCE: 39750-0006 US  
 ; CURRENT APPLICATION NUMBER: US/10/394,322A  
 ; CURRENT FILING DATE: 2003-03-20  
 ; PRIOR APPLICATION NUMBER: US 60/366,892  
 ; PRIOR FILING DATE: 2002-03-21  
 ; NUMBER OF SEQ ID NOS: 70  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO 17  
 ; LENGTH: 1255  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-394-322A-17

Query Match 36.7%; Score 282; DB 3; Length 1255;  
 Best Local Similarity 42.1%;  
 Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

```

Qy      2 CVASCPHNFV-VDQTSVCRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
      ||:|:|:|:|:| || || || ||:|:| || | |:| | |
Db      295 CVTACPNYLNSTDVGSCTLVCPHNLQEVTAEDGTQRCEKSKPCARVCYGLGMEHLREVR 354

Qy      58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
      | |:| | | | | |:| | | | | | | |:| | | | | | | |
Db      355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy      118 WPPHMHNFVSFVSNLTTIGGR 137
      || : : ||| || | ||
Db      415 WPDSPDLSPVSVFQNLQVIRGR 434

```

## RESULT 109

US-09-632-507A-1  
 ; Sequence 1, Application US/09632507A  
 ; Patent No. 7229623

[http://es.ScoreAccessWeb/GetItem.action?AppId=10516...0-516-759a-16\\_copy\\_2\\_139.ra1&ItemType=4&startByte=0\(93 of 125\)11/20/2010 6:26:14 PM](http://es.ScoreAccessWeb/GetItem.action?AppId=10516...0-516-759a-16_copy_2_139.ra1&ItemType=4&startByte=0(93 of 125)11/20/2010 6:26:14 PM)

[http://es.ScoreAccessWeb/GetItem.action?AppId=10516...0-516-759a-16\\_copy\\_2\\_139.ra1&ItemType=4&startByte=0 \(94 of 125\)11/20/2010 6:26:14 PM](http://es.ScoreAccessWeb/GetItem.action?AppId=10516...0-516-759a-16_copy_2_139.ra1&ItemType=4&startByte=0 (94 of 125)11/20/2010 6:26:14 PM)

```

; Sequence 6, Application US/11406679
; Patent No. 7314916
; GENERAL INFORMATION:
; APPLICANT: Elizabeth Singer
; APPLICANT: Ralf Landgraf
; APPLICANT: Dennis J. Slamon
; APPLICANT: David Eisenberg
; TITLE OF INVENTION: METHODS AND MATERIALS FOR CHARACTERIZING
; TITLE OF INVENTION: AND MODULATING INTERACTIONS BETWEEN HEREGULIN AND HER3
; FILE REFERENCE: 30448.103-US-U1
; CURRENT APPLICATION NUMBER: US/11/406,679
; CURRENT FILING DATE: 2006-04-19
; PRIOR APPLICATION NUMBER: US/10/207,498
; PRIOR FILING DATE: 2002-07-29
; PRIOR APPLICATION NUMBER: 60/308,431
; PRIOR FILING DATE: 2001-07-27
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-406-679-6

```

```

Query Match          36.7%; Score 282; DB 3; Length 1255;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

```

```

Qy      2 CVASCPHFNV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGGLCPKACEGTGSG--SRFQ 57
      ||::||::| || || || ||::|| ||::||::|
Db      295 CVTACPFYNYLSTDVGSCTLVCPHNNQEVTAEDGTQRCEKCKSPCARVCYGLGMEHLREVR 354

Qy      58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPKLVNFVTRVREITGYLNIQS 117
      | || | | || |::| ||::|| | ||:| || |::| || |::|
Db      355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy      118 WPPHMHNFVSFNSLTTIGGR 137
      || : : || | | | ||
Db      415 WPDLSPLDSVFNQLQVIRGR 434

```

## RESULT 112

US-10-469-162-3

```

; Sequence 3, Application US/10469162
; Patent No. 7348010
; GENERAL INFORMATION:
; APPLICANT: Zielinski, Christoph
; APPLICANT: Pehamberger, Hubert
; APPLICANT: Breiteneder, Heimo
; APPLICANT: Jensen-Jarolim, Erika
; APPLICANT: Scheiner, Otto
; TITLE OF INVENTION: Vaccines Against Cancerous Diseases Associated With the HER-2/neu
; TITLE OF INVENTION: oncogene
; FILE REFERENCE: K 38 132/3yv
; CURRENT APPLICATION NUMBER: US/10/469,162
; CURRENT FILING DATE: 2003-08-27
; PRIOR APPLICATION NUMBER: PCT/EP02/02111

```

```

; PRIOR FILING DATE: 2002-02-27
; PRIOR APPLICATION NUMBER: EP 01104943.4
; PRIOR FILING DATE: 2001-02-28
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 3
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (1)..(675)
; OTHER INFORMATION: Extracellular Domain
US-10-469-162-3

```

Query Match 36.7%; Score 282; DB 3; Length 1255;  
 Best Local Similarity 42.1%;  
 Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

```

Qy      2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGGLCPKACEGTGSG--SRFQ 57
      ||::||::| || || || ||::|: || | |::| |
Db      295 CVTACPYNYLSTDVGSCTLVCPHNLNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy      58 TVDSSNIDGFVNCTIKILGNLDFLITGLNGDPWHKIPALDPEKLVNFRTVREITGYLNIQS 117
      | |::| | | || |::| || |::| | | |::| | | |::| | |
Db      355 AVTSANTQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy      118 WPPHMHNFSVFSNLTTIGGR 137
      || : : ||| || | ||
Db      415 WPDLSPLDSVFNQLQVIRGR 434

```

## RESULT 113

US-09-854-356-1

```

; Sequence 1, Application US/09854356
; Patent No. 7375091
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Gheysen, Dirk
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: HER-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009810PC
; CURRENT APPLICATION NUMBER: US/09/854,356
; CURRENT FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 09/493,480
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: human HER-2/neu protein

```



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; NAME/KEY: DOMAIN
; LOCATION: (1)..(653)
; OTHER INFORMATION: extracellular domain (ECD)
; NAME/KEY: DOMAIN
; LOCATION: (676)..(1255)
; OTHER INFORMATION: intracellular domain (ICD)
; NAME/KEY: DOMAIN
; LOCATION: (990)..(1255)
; OTHER INFORMATION: phosphorylation domain (PD)
; NAME/KEY: DOMAIN
; LOCATION: (990)..(1048)
; OTHER INFORMATION: fragment of the phosphorylation domain, preferred
; OTHER INFORMATION: portion (delta PD)
US-09-854-356-1

```

```

Query Match          36.7%; Score 282; DB 3; Length 1255;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy      2 CVASCPHNFFV-VDTQSCVRACPPDKMEVD-KNGLKMCEPCGGGLCPKACEGTGSG--SRFQ 57
      ||::||::| || || || ||::||::| ||::| ||::|
Db      295 CVTACPNYYLSTDVGSCSTLVCPHNNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy      58 TVDSSNIDGFVNCTIKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
      |::|| | | ||::| ||::| ||::| ||::| ||::| ||::| ||::|
Db      355 AVTSANTQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy      118 WPPHMHNFVSFVSNLTTIGGR 137
      || : : ||| || | ||
Db      415 WPDSLPDLVSFQNLQVIRGR 434

```

## RESULT 114

```

US-09-638-834E-37
; Sequence 37, Application US/09638834E
; Patent No. 7396810
; GENERAL INFORMATION:
; APPLICANT: Clinton, Gail M.
; TITLE OF INVENTION: EXPRESSION OF HERSTATIN, AN ALTERNATIVE TO HER-2/NEU PRODUCT, IN
; TITLE OF INVENTION: CELLS THAT EXPRESS EITHER p185HER-2 OR THE EGF RECEPTOR INHIBITS
; TITLE OF INVENTION: RECEPTOR ACTIVITY AND CELL GROWTH
; FILE REFERENCE: 49321-12
; CURRENT APPLICATION NUMBER: US/09/638,834E
; CURRENT FILING DATE: 2000-08-14
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 37
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
; PUBLICATION INFORMATION:
; AUTHORS: Coussens, L., Yang-Feng, T.L., Liao, Y.-C., Chen, E., Gray, A.,
; TITLE: Tyrosine kinase receptor with extensive homology to EGF receptor
; JOURNAL: Science
; VOLUME: 230
; ISSUE: 4730
; PAGES: 1132-1139

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; DATE: 1985-06-12

US-09-638-834E-37

Query Match 36.7%; Score 282; DB 3; Length 1255;  
 Best Local Similarity 42.1%;  
 Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSVCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57  
 ||:||:|:| | || || ||:|:| | | :| | | :  
 Db 295 CVTACPYNYLSTDVGSCTLVCPHNEQVTAEDGTQRCEKSKPCARVCYGLGMEHLREVR 354  
 Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117  
 | |:| | | | | |:| | | :|| | |:| | | |:| | | :  
 Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414  
 Qy 118 WPPMHNFVSFVSNLTTIGGR 137  
 || : : ||| || | ||  
 Db 415 WPDLSPLDSVFNQLQVIRGR 434

## RESULT 115

US-10-484-067-1

; Sequence 1, Application US/10484067

; Patent No. 7446185

; GENERAL INFORMATION:

; APPLICANT: UNIVERSITY OF CALIFORNIA

; APPLICANT: NELSON, Edward L.

; TITLE OF INVENTION: HER2/NEU TARGET ANTIGEN AND USE OF SAME TO STIMULATE AN IMMUNE RESPONSE

; FILE REFERENCE: UCI1170-1

; CURRENT APPLICATION NUMBER: US/10/484,067

; CURRENT FILING DATE: 2004-01-15

; PRIOR APPLICATION NUMBER: PCT/US02/22975

; PRIOR FILING DATE: 2002-07-18

; PRIOR APPLICATION NUMBER: US 60/306,250

; PRIOR FILING DATE: 2001-07-18

; NUMBER OF SEQ ID NOS: 14

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 1

; LENGTH: 1255

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-484-067-1

Query Match 36.7%; Score 282; DB 3; Length 1255;  
 Best Local Similarity 42.1%;  
 Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSVCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57  
 ||:||:|:| | || || ||:|:| | | :| | | :  
 Db 295 CVTACPYNYLSTDVGSCTLVCPHNEQVTAEDGTQRCEKSKPCARVCYGLGMEHLREVR 354  
 Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117  
 | |:| | | | | |:| | | :|| | |:| | | |:| | | :  
 Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414  
 Qy 118 WPPMHNFVSFVSNLTTIGGR 137

[http://es.ScoreAccessWeb/GetItem.action?AppId=10516...0-516-759a-16\\_copv\\_2\\_139.ra1&ItemType=4&startByte=0 \(99 of 125\)11/20/2010 6:26:14 PM](http://es.ScoreAccessWeb/GetItem.action?AppId=10516...0-516-759a-16_copv_2_139.ra1&ItemType=4&startByte=0 (99 of 125)11/20/2010 6:26:14 PM)

```

; APPLICANT: Riken
; APPLICANT: Mochida Pharmaceutical CO., LTD.
; TITLE OF INVENTION: EGF/EGFR Complex
; FILE REFERENCE: PH-1639-PCT
; CURRENT APPLICATION NUMBER: US/10/503,486
; CURRENT FILING DATE: 2004-08-05
; PRIOR APPLICATION NUMBER: JP 2002-28780
; PRIOR FILING DATE: 2002-02-05
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-503-486-5

```

```

Query Match          36.7%; Score 282; DB 3; Length 1255;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

```

```

Qy      2 CVASCPHNFV-VDQTSVCRACPPDKMEVD-KNGLKMCPECGGLCPKACEGTGSG--SRFQ 57
      || :||:| : | || || || :| : || | | : | | | :
Db      295 CVTACPNYLSTVDGSCCTLVCPHNLQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy      58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
      | :|| | | || | :| || :|| | ||:| || : ||||| | :
Db      355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEBITGYLYISA 414

Qy      118 WPPHMHNFVSFVSNLTITIGGR 137
      || : : ||| || | ||
Db      415 WPDSLPDLVSFQNLQVIRGR 434

```

## RESULT 118

```

US-10-563-888A-6
; Sequence 6, Application US/10563888A
; Patent No. 7531649
; GENERAL INFORMATION:
; APPLICANT: Chi-Hong B. Chen
; APPLICANT: Ralf Landgraf
; TITLE OF INVENTION: APTAMERS TO HUMAN EPIDERMAL GROWTH
; TITLE OF INVENTION: FACTOR RECEPTOR-3
; FILE REFERENCE: 30448108USWO
; CURRENT APPLICATION NUMBER: US/10/563,888A
; CURRENT FILING DATE: 2006-01-09
; PRIOR APPLICATION NUMBER: 60/488,679
; PRIOR FILING DATE: 2003-07-18
; PRIOR APPLICATION NUMBER: PCT/US04/23039
; PRIOR FILING DATE: 2004-07-16
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-563-888A-6

```

Query Match 36.7%; Score 282; DB 3; Length 1255;  
 Best Local Similarity 42.1%;  
 Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

```

Qy      2  CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGGLCPKACEGTGSG--SRFQ 57
      ||::||::: | || || || ::| : || | | : | || | :
Db      295 CVTACPNYLLSTDVGSTLVCPLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy      58  TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
      | :|| | | || | :|| | :|| | ||:| || | : ||||| | :
Db      355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy      118 WPPHMHNFVSFVSNLTTIGGR 137
      || : : ||| || | ||
Db      415 WPDSLPDLVSFQNLQVIRGR 434
  
```

## RESULT 119

US-10-762-128-6

; Sequence 6, Application US/10762128  
 ; Patent No. 7547681  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Scholler, Nathalie B.  
 ; APPLICANT: Disis, Mary L.  
 ; APPLICANT: Hellstrom, Ingegerd  
 ; APPLICANT: Hellstrom, Karl Erik  
 ; TITLE OF INVENTION: SURFACE RECEPTOR ANTIGEN VACCINES  
 ; FILE REFERENCE: 730033.409C1  
 ; CURRENT APPLICATION NUMBER: US/10/762,128  
 ; CURRENT FILING DATE: 2004-01-20  
 ; PRIOR APPLICATION NUMBER: US 09/441,411  
 ; PRIOR FILING DATE: 1999-11-16  
 ; NUMBER OF SEQ ID NOS: 26  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO 6  
 ; LENGTH: 1255  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-762-128-6

Query Match 36.7%; Score 282; DB 3; Length 1255;  
 Best Local Similarity 42.1%;  
 Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

```

Qy      2  CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGGLCPKACEGTGSG--SRFQ 57
      ||::||::: | || || || ::| : || | | : | || | :
Db      295 CVTACPNYLLSTDVGSTLVCPLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy      58  TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
      | :|| | | || | :|| | :|| | ||:| || | : ||||| | :
Db      355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy      118 WPPHMHNFVSFVSNLTTIGGR 137
      || : : ||| || | ||
Db      415 WPDSLPDLVSFQNLQVIRGR 434
  
```

## RESULT 120

US-11-488-545-9

; Sequence 9, Application US/11488545  
 ; Patent No. 7575748  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Sharon Erickson  
 ; APPLICANT: Ralph Schwall  
 ; APPLICANT: Mark Sliwowski  
 ; TITLE OF INVENTION: METHODS OF TREATMENT USING ANTI-ErbB  
 ; TITLE OF INVENTION: ANTIBODY-MAYTANSINOID CONJUGATES  
 ; FILE REFERENCE: GENENT.073A2  
 ; CURRENT APPLICATION NUMBER: US/11/488,545  
 ; CURRENT FILING DATE: 2006-07-17  
 ; PRIOR APPLICATION NUMBER: 60/238,327  
 ; PRIOR FILING DATE: 2000-10-05  
 ; PRIOR APPLICATION NUMBER: 09/602,530  
 ; PRIOR FILING DATE: 2000-06-23  
 ; NUMBER OF SEQ ID NOS: 11  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO 9  
 ; LENGTH: 1255  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens

US-11-488-545-9

Query Match 36.7%; Score 282; DB 3; Length 1255;  
 Best Local Similarity 42.1%;  
 Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy	2	CVASCPHFV-VDQTSVCRACPPDKMEVD-KNGLKMCPECGGLCPKACEGTGSG--SRFQ	57
		:     :             :           :	
Db	295	CVTACPNYLSTVDGSCSTLVCLHNQEVTAEDGTQRCEKCKSPCARVCYGLGMEHLREVR	354
Qy	58	TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS	117
		:                 :           :	
Db	355	AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEBITGYLYISA	414
Qy	118	WPPHMHNFVSFVSNLTITIGR	137
		: :	
Db	415	WPDSPDLVSFQNLQVIRGR	434

## RESULT 121

US-10-794-514B-1

; Sequence 1, Application US/10794514B  
 ; Patent No. 7597894  
 ; GENERAL INFORMATION  
 ; APPLICANT: Graddis, Thomas  
 ; APPLICANT: Laus, Reiner  
 ; APPLICANT: Diegel, Michael  
 ; APPLICANT: Vidovic, Damir  
 ; TITLE OF INVENTION: Compositions and Methods Employing Alternative Reading Frame  
 ; TITLE OF INVENTION: Polypeptides for the Treatment of Cancer and Infectious Disease  
 ; FILE REFERENCE: 57636-8128.US00  
 ; CURRENT APPLICATION NUMBER: US/10/794,514B  
 ; CURRENT FILING DATE: 2004-03-05  
 ; PRIOR APPLICATION NUMBER: US 60/453,131

; PRIOR FILING DATE: 2003-03-05  
; NUMBER OF SEQ ID NOS: 738  
; SOFTWARE: PatentIn version 3.5  
; SEQ ID NO 1  
; LENGTH: 1255  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-794-514B-1

Query Match 36.7%; Score 282; DB 3; Length 1255;  
Best Local Similarity 42.1%;  
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSVCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTS--SRFQ 57  
| :|:|:| : | | | | | :|:|:| : | : | : | : | : | :  
Db 295 CVTACPNYLSTDVGSCSTLCVPLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354  
  
Qy 58 TVDSSNIDGFVNCTIKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117  
| :|:| : | | | :|:| :|:| : | :|:| : | :|:| : | :  
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414  
  
Qy 118 WPPHMNHSVFSNLTTIGGR 137  
| : | : | | | | | |  
Db 415 WPDLSPLDSVFNQLQVIRGR 434

RESULT 122

US-11-121-347-68

; Sequence 68, Application US/11121347  
; Patent No. 7601697

; GENERAL INFORMATION:

; APPLICANT: Cheever, Martin A.  
; Disis, Mary L.

; TITLE OF INVENTION: COMPOSITIONS FOR ELICITING OR ENHANCING IMMUNE  
; REACTIVITY TO HER-2-neu PROTEIN FOR PREVENTION OR TREATMENT OF  
; MALIGNANCIES IN WHICH THE HER-2-neu ONCOGENE IS ASSOCIATED

; NUMBER OF SEQUENCES: 69

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Seed IP Law Group PLLC  
; STREET: 701 Fifth Avenue Suite 6300  
; CITY: Seattle  
; STATE: Washington  
; COUNTRY: US  
; ZIP: 98104-7092

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS-MS-DOS  
; SOFTWARE: PatentIn Release 1.0, Version 1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/11/121,347  
; FILING DATE: 03-May-2005  
; CLASSIFICATION: <Unknown>

; ATTORNEY/AGENT INFORMATION:

; NAME: Sharkey, Richard G.  
; REGISTRATION NUMBER: 32,629  
; REFERENCE/DOCKET NUMBER: 920010.448C11

```

; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 68:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1255 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 68:
US-11-121-347-68

```

Query Match 36.7%; Score 282; DB 3; Length 1255;  
 Best Local Similarity 42.1%;  
 Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

```

Qy      2 CVASCPHNFV-VQDTSCVRACPPDKMEVD-KNGLKMCEPCGGGLCPKACEGTGSG--SRFQ 57
      ||:|:|:|:|:| | || || || :|:|:| | | :| | | :
Db      295 CVTACPYNYLSTDVGSCTLVCPLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy      58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
      ||:|:| | | | | | | | | | | | | | | | | | | |
Db      355 AVTSANIQEFAGCKIKFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy      118 WPPHMHNFVSFVSNLTTIGGR 137
      || : | | | | | | | |
Db      415 WPDSLPLDSVFNQLQVIRGR 434

```

## RESULT 123

US-10-344-470A-37

; Sequence 37, Application US/10344470A

; Patent No. 7608269

; GENERAL INFORMATION:

; APPLICANT: Clinton, Gail M.

; TITLE OF INVENTION: EXPRESSION OF HERSTATIN, AN ALTERNATIVE TO HER-2/NEU PRODUCT, IN

; TITLE OF INVENTION: CELLS THAT EXPRESS EITHER p185HER-2 OR THE EGF RECEPTOR INHIBITS

; TITLE OF INVENTION: RECEPTOR ACTIVITY AND CELL GROWTH

; FILE REFERENCE: 49321-81

; CURRENT APPLICATION NUMBER: US/10/344,470A

; CURRENT FILING DATE: 2003-09-05

; PRIOR APPLICATION NUMBER: US 09/638,834

; PRIOR FILING DATE: 2000-08-14

; PRIOR APPLICATION NUMBER: PCT/US01/25502

; PRIOR FILING DATE: 2001-08-14

; NUMBER OF SEQ ID NOS: 38

; SOFTWARE: PatentIn version 3.3

; SEQ ID NO 37

; LENGTH: 1255

; TYPE: PRT

; ORGANISM: Homo sapiens

; PUBLICATION INFORMATION:

; AUTHORS: Coussens, L., Yang-Feng, T.L., Liao, Y.-C., Chen, E., Gray, A.,

; TITLE: Tyrosine kinase receptor with extensive homology to EGF receptor

; JOURNAL: Science

; VOLUME: 230

; ISSUE: 4730

; PAGES: 1132-1139



US-10-344-470A-37

Query Match 36.7%; Score 282; DB 3; Length 1255;  
Best Local Similarity 42.1%;  
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy	2	CVASCPHFNFV--VDQTSCVRACPPDKMEVD-KNGLKMCPCGGGLCPKACEGTGSG--SRFQ	57
		:   :   :   :      :   :   :   :   :   :	
Db	295	CVTATCPYNYLSTDVGSCTLVCLPHNQEVTAEDGTQRCEKCSKPCCARVCYGLGMEHLREVR	354
Qy	58	TVDSSNIDGFVNCTKILGNLDFLITGLNGDPPWHKIPALDPEKLNVFRTVREITGYLNIQS	117
		:   :           :   :   :   :   :   :   :   :	
Db	355	AVTSANIQEAFAGCKKIFGSLAFLPESDFGDSPASNTAPLQPEQLQVFETLEEITGYLYISA	414
Qy	118	WPPHMHNFVSFVSNLTITIGGR	137
		: :	
Db	415	WPDSLPLDLNVFONLOVIRGR	434

RESULT 124

```

US-09-506-079I-13
; Sequence 13, Application US/09506079I
; Patent No. 7625859
; GENERAL INFORMATION:
; APPLICANT: Clinton, Gail M.
; APPLICANT: Evans, Adam
; APPLICANT: Henner, William D.
; TITLE OF INVENTION: HER-2 BINDING ANTAGONISTS
; FILE REFERENCE: 49321-16
; CURRENT APPLICATION NUMBER: US/09/506,079I
; CURRENT FILING DATE: 2000-02-16
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 13
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
; PUBLICATION INFORMATION:
; AUTHORS: Coussens,L., Yang-Feng,T.L., Liao,Y.-C., Chen,E., Gray,A.,
; TITLE: Tyrosine kinase receptor with extensive homology to EGF receptor
; JOURNAL: Science
; VOLUME: 230
; ISSUE: 4730
; PAGES: 1132-1139
; DATE: 1985-06-12
US-09-506-079I-13

```

Query Match 36.7%; Score 282; DB 3; Length 1255;  
Best Local Similarity 42.1%;  
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHFNFV-VDQTSVCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57  
||:|:|:|:| || || || :|:|:| | :| | :  
Db 295 CVTACPYNYLSTDVGSCTLVCPHLNQEVTAEDGTQRCEKCKSPCARVCYGLGMEHLREVR 354  
Qv 58 TVDSSNIDGFVNCTKILGNLDFLITLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117

```

      | :|| | | || :| || :|| | ||| : |||| | :
Db      355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy      118 WPPHMHNFVSFSLTTIGGR 137
      || : : ||| || | ||
Db      415 WPDSLPLDSVFNQLQVIRGR 434

```

## RESULT 125

US-11-821-574-68

; Sequence 68, Application US/11821574

; Patent No. 7655239

; GENERAL INFORMATION

; APPLICANT: Cheever, Martin A.

; APPLICANT:Disis, Mary L.

; TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN

; TITLE OF INVENTION:FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE

; TITLE OF INVENTION:HER-2/neu ONCOGENE IS ASSOCIATED

; FILE REFERENCE: 920010.448c12

; CURRENT APPLICATION NUMBER: US/11/821,574

; CURRENT FILING DATE: 2007-11-28

; PRIOR APPLICATION NUMBER: US 10/647,005

; PRIOR FILING DATE: 2003-08-21

; PRIOR APPLICATION NUMBER: US 09/354,533

; PRIOR FILING DATE: 1999-07-15

; PRIOR APPLICATION NUMBER: US 08/466,680

; PRIOR FILING DATE: 1995-06-06

; PRIOR APPLICATION NUMBER: US 08/414,417

; PRIOR FILING DATE: 1995-03-31

; PRIOR APPLICATION NUMBER: US 08/106,112

; PRIOR FILING DATE: 1993-08-12

; PRIOR APPLICATION NUMBER: US 08/033,644

; PRIOR FILING DATE: 1993-03-17

; NUMBER OF SEQ ID NOS: 70

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 68

; LENGTH: 1255

; TYPE: PRT

; ORGANISM: Homo sapiens

US-11-821-574-68

Query Match 36.7%; Score 282; DB 3; Length 1255;

Best Local Similarity 42.1%;

Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

```

Qy      2 CVASCPHNFV-VQDTSCVRACPPDKMEVD-KNGLKMCPECGGLCPKACEGTGSG--SRFQ 57
      || :|||:| : | || || || :| : || | | : || | :
Db      295 CVTACPYNYLSTDVGSCTLVCPLHNQEVTAEDGTQRCEKSKPCARVCYGLGMEHLREVR 354

Qy      58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
      || :||| : | ||| :||| :||| :||| :||| :||| :||| :
Db      355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy      118 WPPHMHNFVSFSLTTIGGR 137
      || : : ||| || | ||
Db      415 WPDSLPLDSVFNQLQVIRGR 434

```

## RESULT 126

US-12-291-886-2

; Sequence 2, Application US/12291886  
 ; Patent No. 7662586  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Monaci, Paolo  
 ; APPLICANT: Gallo, Pasquale  
 ; APPLICANT: Nuzzo, Maurizio  
 ; TITLE OF INVENTION: SYNTHETIC GENE ENCODING HUMAN EPIDERMAL  
 ; TITLE OF INVENTION: GROWTH FACTOR 2/NEU ANTIGEN AND USES THEREOF  
 ; FILE REFERENCE: ITR0065YP  
 ; CURRENT APPLICATION NUMBER: US/12/291,886  
 ; CURRENT FILING DATE: 2008-11-14  
 ; PRIOR APPLICATION NUMBER: US/10/565,418  
 ; PRIOR FILING DATE: 2006-01-23  
 ; PRIOR APPLICATION NUMBER: PCT/EP2004/008234  
 ; PRIOR FILING DATE: 2004-04-20  
 ; PRIOR APPLICATION NUMBER: 60/489,237  
 ; PRIOR FILING DATE: 2003-07-21  
 ; NUMBER OF SEQ ID NOS: 14  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO 2  
 ; LENGTH: 1255  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapiens, HER2  
 US-12-291-886-2

Query Match 36.7%; Score 282; DB 3; Length 1255;  
 Best Local Similarity 42.1%;  
 Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSVCVRACPPDKMEVD-KNGLKMCPECGGLCPKACEGTGSG--SRFQ 57  
 ||:||:|:: | || || ||::|: || | | : | | | :  
 Db 295 CVTACPNYSLTDVGSCTLVCPHNEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354  
 Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117  
 | | : | | | | | | | : | | | | | | : | | | | | :  
 Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414  
 Qy 118 WPPHMHNFSVFSNLTTIGGR 137  
 || : : || | | | ||  
 Db 415 WPDSPDLDSVFNQLQVIRGR 434

## RESULT 127

US-11-343-253-4

; Sequence 4, Application US/11343253  
 ; Patent No. 7668603  
 ; GENERAL INFORMATION:  
 ; APPLICANT: STIRBL, ROBERT C.  
 ; APPLICANT: SNEAD, MALCOLM L.  
 ; APPLICANT: XU, JIMMY  
 ; APPLICANT: VITETTA, ELLEN S.  
 ; APPLICANT: WILK, PETER J.  
 ; TITLE OF INVENTION: METHOD AND RELATED COMPOSITION EMPLOYING NANOSTRUCTURES  
 ; FILE REFERENCE: W07-505DIV



Query Match 36.7%; Score 282; DB 3; Length 1256;  
 Best Local Similarity 41.5%;  
 Matches 59; Conservative 18; Mismatches 57; Indels 8; Gaps 4;

```

Qy      2  CVASCPHNFVVDQT-SCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTG----SGSR 55
      ||:|:|:|: : || |||: || ::|: || | | | | | | | |
Db      296 CVTTCPYNYLSTEVGSTLVCPPNNQEVTAEDGTQRCEKCSKPCAGVCYGLGMEHLRGAR 355

Qy      56  FQTVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVRTVREITGYLNI 115
      : || | | | | | | | | | | | | | | | | | | | |
Db      356 --AITSNIIQEFAGCKKIFGSLAFLPESFDGNPSSGVAPLKPPEHLQVFETLEEITGYLYI 413

Qy      116 QSWPPHMHNFVSFVSNLTTIGGR 137
      :|| : ||| || | ||
Db      414 SAWPESFQDLSEVFNLRVIRGR 435

```

## RESULT 129

US-09-632-507A-14

; Sequence 14, Application US/09632507A  
 ; Patent No. 7229623  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Cheever, Martin A.  
 ; APPLICANT: Gheysen, Dirk  
 ; APPLICANT: Corixa Corporation  
 ; APPLICANT: SmithKline Beecham Biologicals S. A.  
 ; TITLE OF INVENTION: Her-2/neu Fusion Proteins  
 ; FILE REFERENCE: 014058-009820US  
 ; CURRENT APPLICATION NUMBER: US/09/632,507A  
 ; CURRENT FILING DATE: 2000-08-03  
 ; PRIOR APPLICATION NUMBER: US 60/117,976  
 ; PRIOR FILING DATE: 1999-01-29  
 ; PRIOR APPLICATION NUMBER: US 09/493,480  
 ; PRIOR FILING DATE: 2000-01-28  
 ; NUMBER OF SEQ ID NOS: 32  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 14  
 ; LENGTH: 1256  
 ; TYPE: PRT  
 ; ORGANISM: Mus sp.  
 ; FEATURE:  
 ; OTHER INFORMATION: mouse Her-2/neu protein  
 US-09-632-507A-14

Query Match 36.7%; Score 282; DB 3; Length 1256;  
 Best Local Similarity 41.5%;  
 Matches 59; Conservative 18; Mismatches 57; Indels 8; Gaps 4;

```

Qy      2  CVASCPHNFVVDQT-SCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTG----SGSR 55
      ||:|:|:|: : || |||: || ::|: || | | | | | | | |
Db      296 CVTTCPYNYLSTEVGSTLVCPPNNQEVTAEDGTQRCEKCSKPCAGVCYGLGMEHLRGAR 355

Qy      56  FQTVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVRTVREITGYLNI 115
      : || | | | | | | | | | | | | | | | | | | | |
Db      356 --AITSNIIQEFAGCKKIFGSLAFLPESFDGNPSSGVAPLKPPEHLQVFETLEEITGYLYI 413

Qy      116 QSWPPHMHNFVSFVSNLTTIGGR 137

```

```

      :||      : ||| || | ||
Db      414 SAWPESFQDLSVFNLRVIRGR 435

```

RESULT 130

```

US-09-854-356-14
; Sequence 14, Application US/09854356
; Patent No. 7375091
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Gheysen, Dirk
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: HER-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009810PC
; CURRENT APPLICATION NUMBER: US/09/854,356
; CURRENT FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 09/493,480
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
; LENGTH: 1256
; TYPE: PRT
; ORGANISM: Mus sp.
; FEATURE:
; OTHER INFORMATION: mouse HER-2/neu protein
US-09-854-356-14

```

```

Query Match      36.7%; Score 282; DB 3; Length 1256;
Best Local Similarity 41.5%;
Matches 59; Conservative 18; Mismatches 57; Indels 8; Gaps 4;

```

```

Qy      2 CVASCPHNFVVDQT-SCVRACPPDKMEVD-KNGLKMCPECGGLCPKACEGTG----SGSR 55
      || :||:|:: : || |||: || ::| : || | | | | | | | | | |
Db      296 CVTTCPYNLSTEVGSCCTLVCPNNEQVTAEDGTQRCEKCSKPCAGVCYGLGMEHLRGAR 355

Qy      56 FQTVDSNIDGFVNCTKILGNLDFLITGLNGDPWCHKIPALDPEKLNVFRTVREITGYLNI 115
      : || | | | || | : | | : | | | | | | : | | | | |
Db      356 --AITSNIIQEFAGCKKIFGSLAFLPESFDGNPSSGVAPLKPHELQVFETLBEITGYLYI 413

Qy      116 QSWPPHMHNFVSFNSLNTTIGGR 137
      :||      : ||| || | ||
Db      414 SAWPESFQDLSVFNLRVIRGR 435

```

RESULT 131

```

US-10-541-270A-2
; Sequence 2, Application US/10541270A
; Patent No. 7282365
; GENERAL INFORMATION:
; APPLICANT: Monaci, Paolo
; APPLICANT: Nuzzo, Maurizio
; APPLICANT: La Monica, Nicola
; APPLICANT: Ciliberto, Gennaro

```

```

; APPLICANT: Lahm, Armin
; TITLE OF INVENTION: RHESUS HER2/NEU, NUCLEOTIDES ENCODING
; TITLE OF INVENTION: SAME AND USES THEREOF
; FILE REFERENCE: ITR0043YP
; CURRENT APPLICATION NUMBER: US/10/541,270A
; CURRENT FILING DATE: 2005-07-01
; PRIOR APPLICATION NUMBER: PCT/EP03/14997
; PRIOR FILING DATE: 2003-12-29
; PRIOR APPLICATION NUMBER: 60/437,846
; PRIOR FILING DATE: 2003-01-03
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Rhesus Monkey
US-10-541-270A-2

```

```

Query Match          35.9%; Score 276; DB 3; Length 1255;
Best Local Similarity 41.4%;
Matches 58; Conservative 17; Mismatches 61; Indels 4; Gaps 3;

```

```

Qy      2 CVASCPHNFV-VDQTSVCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
      ||::||:|:| | | || || || ::|:| | | :| | | |
Db      295 CVTACFPYNYLSTDVGSCSTLVCPHNEQVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy      58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPKLVNFVTRVREITGYLNIQS 117
      | |:| | | | | | |:| | | | | | | | | | | | | | |
Db      355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLRVFETLEEBITGYLYISA 414

Qy      118 WPPHMHNFVSFNSLTTIGGR 137
      || : : || || | ||
Db      415 WPDLSPLDSVLQNLQVIRGR 434

```

## RESULT 132

```

US-10-541-270A-41
; Sequence 41, Application US/10541270A
; Patent No. 7282365
; GENERAL INFORMATION:
; APPLICANT: Monaci, Paolo
; APPLICANT: Nuzzo, Maurizio
; APPLICANT: La Monica, Nicola
; APPLICANT: Ciliberto, Gennaro
; APPLICANT: Lahm, Armin
; TITLE OF INVENTION: RHESUS HER2/NEU, NUCLEOTIDES ENCODING
; TITLE OF INVENTION: SAME AND USES THEREOF
; FILE REFERENCE: ITR0043YP
; CURRENT APPLICATION NUMBER: US/10/541,270A
; CURRENT FILING DATE: 2005-07-01
; PRIOR APPLICATION NUMBER: PCT/EP03/14997
; PRIOR FILING DATE: 2003-12-29
; PRIOR APPLICATION NUMBER: 60/437,846
; PRIOR FILING DATE: 2003-01-03
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 41

```

```
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Rhesus Monkey
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 517, 647, 1075
; OTHER INFORMATION: Xaa = Any Amino Acid
US-10-541-270A-41
```

Query Match 35.9%; Score 276; DB 3; Length 1255;  
Best Local Similarity 41.4%;  
Matches 58; Conservative 17; Mismatches 61; Indels 4; Gaps 3;

[illegible]

RESULT 133

```

US-08-422-108-1
; Sequence 1, Application US/08422108
; Patent No. 6015567
; GENERAL INFORMATION:
;   APPLICANT:  Hudziak, Robert M.
;   APPLICANT:  Shepard, H. Michael
;   APPLICANT:  Ullrich, Axel
;   TITLE OF INVENTION:  HER2 EXTRACELLULAR DOMAIN
;   NUMBER OF SEQUENCES:  2
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE:  Genentech, Inc.
;   STREET:  460 Point San Bruno Blvd
;   CITY:  South San Francisco
;   STATE:  California
;   COUNTRY:  USA
;   ZIP:  94080
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE:  3.5 inch, 1.44 Mb floppy disk
;   COMPUTER:  IBM PC compatible
;   OPERATING SYSTEM:  PC-DOS/MS-DOS
;   SOFTWARE:  WinPatin (Genentech)
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER:  US/08/422,108
;   FILING DATE:  14-Apr-1995
;   CLASSIFICATION:  435
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER:  08/355460
;   FILING DATE:  13-DEC-1994
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER:  08/048346

```



```

; FILING DATE: 15-APR-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/354319
; FILING DATE: 19-MAY-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Lee, Wendy M
; REGISTRATION NUMBER: 00,000
; REFERENCE/DOCKET NUMBER: 554C2D2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1994
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 624 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear

```

US-08-422-108-1

```

Query Match      35.7%; Score 274; DB 2; Length 624;
Best Local Similarity 41.4%;
Matches 58; Conservative 17; Mismatches 61; Indels 4; Gaps 3;

```

```

Qy      2 CVASCPHFV-VDQTSCVRACPPDKMEVD-KNGLKMCPECGGLCPKACEGTGSG--SRFQ 57
      || :||:| : | || || || :|| :|| | : || | :
Db      274 CVTACPNYVLTSDVGSCTLCVPLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 333

Qy      58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLVNFRITVREITGYLNIQS 117
      | :|| | | || | :|| | :|| | ||:| || | : || | | :
Db      334 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEBEITYLYISA 393

Qy      118 WPPHMHNFVSFVSNLTTIGGR 137
      || : : ||| || | ||
Db      394 WPDSPDLPSVFNQLQVIRGR 413

```

# RESULT 134

US-08-422-734-1

```

; Sequence 1, Application US/08422734
; Patent No. 6333169
; GENERAL INFORMATION:
; APPLICANT: Hudziak, Robert M.
; APPLICANT: Shepard, H. Michael
; APPLICANT: Ullrich, Axel
; TITLE OF INVENTION: HER2 EXTRACELLULAR DOMAIN
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

```

```

;   SOFTWARE:   WinPatin (Genentech)
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER:   US/08/422,734
;   FILING DATE:
;   CLASSIFICATION:   435
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER:   08/422108
;   FILING DATE:   14-Apr-1995
;   APPLICATION NUMBER:   08/355460
;   FILING DATE:   13-DEC-1994
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER:   08/048346
;   FILING DATE:   15-APR-1993
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER:   07/354319
;   FILING DATE:   19-MAY-1989
;   ATTORNEY/AGENT INFORMATION:
;   NAME:   Lee, Wendy M
;   REGISTRATION NUMBER:   00,000
;   REFERENCE/DOCKET NUMBER:   554C2D1
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE:   415/225-1994
;   TELEFAX:   415/952-9881
;   TELEX:   910/371-7168
;   INFORMATION FOR SEQ ID NO:   1:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH:   624 amino acids
;   TYPE:   Amino Acid
;   TOPOLOGY:   Linear
US-08-422-734-1

```

```

Query Match          35.7%;   Score 274;   DB 2;   Length 624;
Best Local Similarity 41.4%;
Matches   58;   Conservative   17;   Mismatches   61;   Indels   4;   Gaps   3;

```

```

Qy      2   CVASCPHFV-VDQTSVCRACPPDKMEVD-KNGLKMCPECGGLCPKACEGTGSG--SRFQ 57
      ||::||::| || || || ::||::||| |::||| |
Db      274 CVTACPNYLSLTDVGSCTLVCPHNEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 333

Qy      58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
      |::|| | || ||::|| |::|| |::|| |::|| |::|| |
Db      334 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITEYLYISA 393

Qy      118 WPPHMHNFVSFVSNLTTIGGR 137
      ||::||| || ||
Db      394 WPDSLPDLVSFQNLQVIRGR 413

```

## RESULT 135

US-10-159-353B-4

```

; Sequence 4, Application US/10159353B
; Patent No. 7390632
; GENERAL INFORMATION:
; APPLICANT: Maible, Nita
; APPLICANT: Lee, Hakjoo
; TITLE OF INVENTION: System and Method to Inhibit Heregulin Activated Processes and
; TITLE OF INVENTION: Other Methods Using Soluble ErbB3 and Method to Produce Soluble

```

```

; TITLE OF INVENTION:  ErbB3
; FILE REFERENCE: 01-03Maihle
; CURRENT APPLICATION NUMBER: US/10/159,353B
; CURRENT FILING DATE: 2002-05-31
; PRIOR APPLICATION NUMBER: US 09/676,380
; PRIOR FILING DATE: 2000-09-29
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 4
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-159-353B-4

```

```

Query Match          34.2%; Score 263; DB 3; Length 331;
Best Local Similarity 100.0%;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy      1 VCVASCPHNFVVDQTSCVRACPPDKMEVDKNGLMCEPCGGLCPK 45
        |||
Db      285 VCVASCPHNFVVDQTSCVRACPPDKMEVDKNGLMCEPCGGLCPK 329

```

## RESULT 136

US-12-018-610-4

```

; Sequence 4, Application US/12018610
; Patent No. 7612042
; GENERAL INFORMATION:
; APPLICANT: Maihle, Nita
; APPLICANT: Lee, Hakjoo
; TITLE OF INVENTION: System and Method to Inhibit Heregulin Activated Processes and
; TITLE OF INVENTION: Other Methods Using Soluble ErbB3 and Method to Produce Soluble
; TITLE OF INVENTION: ErbB3
; FILE REFERENCE: 01-03Maihle
; CURRENT APPLICATION NUMBER: US/12/018,610
; CURRENT FILING DATE: 2008-01-23
; PRIOR APPLICATION NUMBER: US/10/159,353B
; PRIOR FILING DATE: 2002-05-31
; PRIOR APPLICATION NUMBER: US 09/676,380
; PRIOR FILING DATE: 2000-09-29
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 4
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Homo sapiens
US-12-018-610-4

```

```

Query Match          34.2%; Score 263; DB 3; Length 331;
Best Local Similarity 100.0%;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy      1 VCVASCPHNFVVDQTSCVRACPPDKMEVDKNGLMCEPCGGLCPK 45
        |||
Db      285 VCVASCPHNFVVDQTSCVRACPPDKMEVDKNGLMCEPCGGLCPK 329

```

RESULT 137

US-12-018-515B-4  
 ; Sequence 4, Application US/12018515B  
 ; Patent No. 7638302  
 ; GENERAL INFORMATION  
 ; APPLICANT: Maihle, Nita  
 ; TITLE OF INVENTION: Soluble ErbB3 Receptor Isoforms  
 ; FILE REFERENCE: 07-273 CONT  
 ; CURRENT APPLICATION NUMBER: US/12/018,515B  
 ; CURRENT FILING DATE: 2009-02-27  
 ; PRIOR APPLICATION NUMBER: US 10/159,353  
 ; PRIOR FILING DATE: 2002-05-31  
 ; NUMBER OF SEQ ID NOS: 8  
 ; SOFTWARE: PatentIn version 3.4  
 ; SEQ ID NO 4  
 ; LENGTH: 331  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-12-018-515B-4

Query Match 34.2%; Score 263; DB 3; Length 331;  
 Best Local Similarity 100.0%;  
 Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 VCVASCPHNFVVDQTSCVRACPPDKMEVDKNGLMCEPCGGLCPK 45  
 |||  
 Db 285 VCVASCPHNFVVDQTSCVRACPPDKMEVDKNGLMCEPCGGLCPK 329

RESULT 138

US-12-144-166-4  
 ; Sequence 4, Application US/12144166  
 ; Patent No. 7638303  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Maihle, Nita  
 ; APPLICANT: Lee, Hakjoo  
 ; TITLE OF INVENTION: System and Method to Inhibit Heregulin Activated Processes and  
 ; TITLE OF INVENTION: Other Methods Using Soluble ErbB3 and Method to Produce Soluble  
 ; TITLE OF INVENTION: ErbB3  
 ; FILE REFERENCE: 01-03Maihle  
 ; CURRENT APPLICATION NUMBER: US/12/144,166  
 ; CURRENT FILING DATE: 2008-06-23  
 ; PRIOR APPLICATION NUMBER: US/10/159,353B  
 ; PRIOR FILING DATE: 2002-05-31  
 ; PRIOR APPLICATION NUMBER: US 09/676,380  
 ; PRIOR FILING DATE: 2000-09-29  
 ; NUMBER OF SEQ ID NOS: 8  
 ; SOFTWARE: PatentIn version 3.2  
 ; SEQ ID NO 4  
 ; LENGTH: 331  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-12-144-166-4

Query Match 34.2%; Score 263; DB 3; Length 331;  
 Best Local Similarity 100.0%;  
 Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

[http://es.ScoreAccessWeb/GetItem.action?AppId=10516...0-516-759a-16\\_copy\\_2\\_139.ra1&ItemType=4&startByte=0 \(117 of 125\)11/20/2010 6:26:14 PM](http://es.ScoreAccessWeb/GetItem.action?AppId=10516...0-516-759a-16_copy_2_139.ra1&ItemType=4&startByte=0 (117 of 125)11/20/2010 6:26:14 PM)

```
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-182-908-21
```

```
Query Match      25.3%; Score 194; DB 3; Length 169;
Best Local Similarity 45.2%;
Matches 42; Conservative 9; Mismatches 40; Indels 2; Gaps 1;
```

```
Qy      47 CEGTGS--SRFQTVDSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVR 104
      | | | : | | | | | | | | | | | | | | | | | | | |
Db      1 CYGLGMEHLREVRVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFE 60

Qy     105 TVREITGYLNIQSWPPHMHNFVSFVSNLTTIGGR 137
      | : | | | | | | | | | : | | : | | | | | | |
Db      61 TLEEITGYLYISAWPDSLPLDSVFNQLQVIRGR 93
```

## RESULT 141

US-09-555-275A-4

; Sequence 4, Application US/09555275A

; Patent No. 7020563

; GENERAL INFORMATION:

; APPLICANT: Commonwealth Scientific and Industrial Research Organisation

; TITLE OF INVENTION: Method of Designing Agonists and Antagonists to IGF Receptor

; FILE REFERENCE: 050179-0081

; CURRENT APPLICATION NUMBER: US/09/555,275A

; CURRENT FILING DATE: 2000-05-26

; PRIOR APPLICATION NUMBER: PCT/AU98/00998

; PRIOR FILING DATE: 1998-11-27

; PRIOR APPLICATION NUMBER: PP2598

; PRIOR FILING DATE: 1998-03-25

; PRIOR APPLICATION NUMBER: PP0585

; PRIOR FILING DATE: 1997-11-27

; NUMBER OF SEQ ID NOS: 16

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 4

; LENGTH: 167

; TYPE: PRT

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: MISC\_FEATURE

; LOCATION: (11)..(17)

; OTHER INFORMATION: Protein sequence known but not provided in Figure 6a

; FEATURE:

; NAME/KEY: MISC\_FEATURE

; LOCATION: (44)..(50)

; OTHER INFORMATION: Protein sequence known but not provided in Figure 6a

US-09-555-275A-4

```
Query Match      22.9%; Score 176; DB 3; Length 167;
Best Local Similarity 38.5%;
Matches 37; Conservative 15; Mismatches 42; Indels 2; Gaps 1;
```

```
Qy      45 KACEGTGS--SRFQTVDSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVR 102
      | | | | | : | | | | | | | | | | | | | | | | | |
Db      1 KVCNGIGIGEXXXXXXNATNIKHFNCTSIISGDLHLPLVAFRXXXXXXPPDPQELDI 60
```

Qy 103 FRTVREITGYLNIQSWPPHMHNFVSFNSLTTIGGRS 138  
 :||:||||:| ||:| : : | || | ||:  
 Db 61 LKTVEITGFLLIQAWPENRTDLHAFENLEIIRGT 96

## RESULT 142

5459061-2

;Patent No. 5459061

; APPLICANT: SATO, J.DENRY;WU, DIANGING;WANG, LIHUA  
 ; TITLE OF INVENTION: HYBRIDOMAS PRODUCING MONOCLONAL ANTIBODIES  
 ;WHICH SPECIFICALLY BIND TO CONTINUOUS EPITOPE ON THE HUMAN EGF  
 ;RECEPTOR AND COMPETE WITH EGF FOR BINDING TO THE EGF RECEPTOR  
 ; NUMBER OF SEQUENCES: 10  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/133,274  
 ; FILING DATE: 07-OCT-1993  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: 470,642  
 ; FILING DATE: 26-JAN-1990  
 ;SEQ ID NO:2:  
 ; LENGTH: 76  
 5459061-2

Query Match 20.7%; Score 159; DB 7; Length 76;  
 Best Local Similarity 39.5%;  
 Matches 30; Conservative 15; Mismatches 29; Indels 2; Gaps 1;

Qy 29 DKNGLKMCPECGGLCPKACEGTGSG--SRFQTVDSNIDGFVNCTKILGNLDFLITGLNG 86  
 :||:| | : | || | | | | :||:| | | | | :||:| | |  
 Db 1 BENGVRKCKKCDGLCSKVCNGIGELKGILSINATNIDSPFNCKNSINGDVSILPVAFLG 60

Qy 87 DPWHKIPALDPEKLVN 102  
 | : | | | | :||:| |  
 Db 61 DAFTKTPLLPKKLDV 76

## RESULT 143

5459061-1

;Patent No. 5459061

; APPLICANT: SATO, J.DENRY;WU, DIANGING;WANG, LIHUA  
 ; TITLE OF INVENTION: HYBRIDOMAS PRODUCING MONOCLONAL ANTIBODIES  
 ;WHICH SPECIFICALLY BIND TO CONTINUOUS EPITOPE ON THE HUMAN EGF  
 ;RECEPTOR AND COMPETE WITH EGF FOR BINDING TO THE EGF RECEPTOR  
 ; NUMBER OF SEQUENCES: 10  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/133,274  
 ; FILING DATE: 07-OCT-1993  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: 470,642  
 ; FILING DATE: 26-JAN-1990  
 ;SEQ ID NO:1:  
 ; LENGTH: 76  
 5459061-1

Query Match 18.9%; Score 145; DB 7; Length 76;  
 Best Local Similarity 36.4%;  
 Matches 28; Conservative 18; Mismatches 27; Indels 4; Gaps 2;

Qy 29 DKNGLKMCEPCGGLCPKACEGTGSGSRFQ---TVDSSNIDGFVNCTKILGNLDFLITGLN 85  
 :::|: |: | | | | | | | |: ::::| | | | |: |  
 Db 1 EEDGVRKCKKCEGPCRKVCNGIGIG-EFKDLSINATNIKHFKNCTSIGDLHLIPVAFR 59

Qy 86 GDPWHKIPALDPEKLV 102  
 | : | ||:|::  
 Db 60 GDSFTHTPPLDPQELDI 76

## RESULT 144

5459061-10

; Patent No. 5459061

; APPLICANT: SATO, J.DENRY;WU, DIANGING;WANG, LIHUA  
 ; TITLE OF INVENTION: HYBRIDOMAS PRODUCING MONOCLONAL ANTIBODIES  
 ; WHICH SPECIFICALLY BIND TO CONTINUOUS EPIOTOPE ON THE HUMAN EGF  
 ; RECEPTOR AND COMPETE WITH EGF FOR BINDING TO THE EGF RECEPTOR  
 ; NUMBER OF SEQUENCES: 10  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/133,274  
 ; FILING DATE: 07-OCT-1993  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: 470,642  
 ; FILING DATE: 26-JAN-1990  
 ; SEQ ID NO:10:  
 ; LENGTH: 76  
 5459061-10

Query Match 18.6%; Score 143; DB 7; Length 76;  
 Best Local Similarity 36.8%;  
 Matches 28; Conservative 17; Mismatches 27; Indels 4; Gaps 2;

Qy 30 KNGLMKCEPCGGLCPKACEGTGSGSRFQ---TVDSSNIDGFVNCTKILGNLDFLITGLN 86  
 :::|: |: | | | | | | | |: ::::| | | | |: | |  
 Db 2 EDGVRKCKKCEGPCRKVCNGIGIG-EFKDLSINATNIKHFKNCTSIGDLHLIPVAFRG 60

Qy 87 DPWHKIPALDPEKLV 102  
 | : | ||:|::  
 Db 61 DSFTHTPPLDPQELDI 76

## RESULT 145

US-08-857-076-103

; Sequence 103, Application US/08857076C  
 ; Patent No. 6225120  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ruvkun, Gary  
 ; APPLICANT: Kimura, Koutarou  
 ; APPLICANT: Patterson, Garth  
 ; APPLICANT: Ogg, Scott  
 ; APPLICANT: Paradis, Suzanne  
 ; APPLICANT: Tissenbaum, Heidi  
 ; APPLICANT: Morris, Jason  
 ; APPLICANT: Kowek, Allison  
 ; TITLE OF INVENTION: THERAPEUTIC AND DIAGNOSTIC TOOLS FOR  
 ; TITLE OF INVENTION: IMPAIRED GLUCOSE TOLERANCE CONDITIONS  
 ; FILE REFERENCE: 00786/351001



```

; CURRENT APPLICATION NUMBER: US/08/857,076C
; CURRENT FILING DATE: 1997-05-15
; NUMBER OF SEQ ID NOS: 114
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 103
; LENGTH: 366
; TYPE: PRT
; ORGANISM: Homo sapiens
US-08-857-076-103

```

```

Query Match          16.9%; Score 130; DB 2; Length 366;
Best Local Similarity 27.1%;
Matches 46; Conservative 19; Mismatches 53; Indels 52; Gaps 9;

```

```

Qy      1 VCVASCPHN-----FVVDQTSCVRACPPDKMEVDKNG 32
      ||| :|| |          ||:  |:| || : ||
Db      122 VCVACPFPNTYRFEGWRCVDRDFCANILSAESSDSEGFVIHDGECMQECPSGFI---RNG 178

Qy      33 LK--MCEPCGGLCPKACEGTGSGSRFQTVDS--SNIDGFVNCTKILGNLDFLITGLNGDPW 89
      :  ||| | ||| || : |:| || :|  || || || |:
Db      179 SQSMYCIPCEGCPKVCE---EKKTKTIDSVTSAQMLQGCTIFKGNL--LINIRRGN-- 231

Qy      90 HKIPALDPEKLNFRVTRVREITGYLNIQSWPPHMH---NFSVFSNLTIGG 136
      : | | : :||| :| : | | : | | |
Db      232 ----NIASELENFMGLIEVVTGYVKIR----HSHALVSLSLFKNLRLILG 273

```

## RESULT 146

```

US-09-205-658A-103
; Sequence 103, Application US/09205658A
; Patent No. 6861256
; GENERAL INFORMATION:
; APPLICANT: Ruvkun, Gary
; APPLICANT: Ogg, Scott
; TITLE OF INVENTION: THERAPEUTIC AND DIAGNOSTIC TOOLS FOR
; TITLE OF INVENTION: IMPAIRED GLUCOSE TOLERANCE CONDITIONS
; FILE REFERENCE: 00786/351004
; CURRENT APPLICATION NUMBER: US/09/205,658A
; CURRENT FILING DATE: 1998-12-03
; PRIOR APPLICATION NUMBER: 08/857,076
; PRIOR FILING DATE: 1997-05-15
; PRIOR APPLICATION NUMBER: 08/888,534
; PRIOR FILING DATE: 1997-07-07
; PRIOR APPLICATION NUMBER: US98/10080
; PRIOR FILING DATE: 1998-05-15
; NUMBER OF SEQ ID NOS: 331
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 103
; LENGTH: 366
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-205-658A-103

```

```

Query Match          16.9%; Score 130; DB 2; Length 366;
Best Local Similarity 27.1%;
Matches 46; Conservative 19; Mismatches 53; Indels 52; Gaps 9;

```

```

Qy      1 VCVASCPHN-----FVVDQTSVCVRACPPDKMEVDKNG 32
      ||| :|| |               ||:  |:| || :  :||
Db      122 VCVACPPNTYRFEGWRCVDRDFCANILSAESSDSEGEFVIHDGECMQECPSGFI---RNG 178

Qy      33 LK--MCEPCGGLCPKACEGTGSGSRFQTVD--SNIDGFVNCTKILGNLDFLITGLNGDPW 89
      :  ||| |||| ||  :|:|:|  ||  ||  ||| ||  |:
Db      179 SQSMYCIPCEGPCPKVCE---EEKKTKTIDSVTSAQMLQGCTIFKGNL--LINIRRG-- 231

Qy      90 HKIPALDPEKLNVFRTVREITGYLNIQSWPPHMH---NFSVFSNLTITIG 136
      :  |  |  :  :||: |  |  |  |  ||  ||  |
Db      232 ----NIASELENFMGLIEVVTGYVKIR----HSHALVSLSLFKNLRLILG 273

```

## RESULT 147

US-09-963-693B-103

; Sequence 103, Application US/09963693B

; Patent No. 7041437

; GENERAL INFORMATION:

; APPLICANT: Ruvkun, Gary

; APPLICANT: Ogg, Scott

; TITLE OF INVENTION: THERAPEUTIC AND DIAGNOSTIC TOOLS FOR

; TITLE OF INVENTION: IMPAIRED GLUCOSE TOLERANCE CONDITIONS

; FILE REFERENCE: 00786/351004

; CURRENT APPLICATION NUMBER: US/09/963,693B

; CURRENT FILING DATE: 2001-09-25

; PRIOR APPLICATION NUMBER: US/09/205,658

; PRIOR FILING DATE: 1998-12-03

; PRIOR APPLICATION NUMBER: 08/857,076

; PRIOR FILING DATE: 1997-05-15

; PRIOR APPLICATION NUMBER: 08/888,534

; PRIOR FILING DATE: 1997-07-07

; PRIOR APPLICATION NUMBER: US98/10080

; PRIOR FILING DATE: 1998-05-15

; NUMBER OF SEQ ID NOS: 331

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 103

; LENGTH: 366

; TYPE: PRT

; ORGANISM: Homo sapiens

US-09-963-693B-103

Query Match 16.9%; Score 130; DB 3; Length 366;

Best Local Similarity 27.1%;

Matches 46; Conservative 19; Mismatches 53; Indels 52; Gaps 9;

```

Qy      1 VCVASCPHN-----FVVDQTSVCVRACPPDKMEVDKNG 32
      ||| :|| |               ||:  |:| || :  :||
Db      122 VCVACPPNTYRFEGWRCVDRDFCANILSAESSDSEGEFVIHDGECMQECPSGFI---RNG 178

Qy      33 LK--MCEPCGGLCPKACEGTGSGSRFQTVD--SNIDGFVNCTKILGNLDFLITGLNGDPW 89
      :  ||| |||| ||  :|:|:|  ||  ||  ||| ||  |:
Db      179 SQSMYCIPCEGPCPKVCE---EEKKTKTIDSVTSAQMLQGCTIFKGNL--LINIRRG-- 231

Qy      90 HKIPALDPEKLNVFRTVREITGYLNIQSWPPHMH---NFSVFSNLTITIG 136
      :  |  |  :  :||: |  |  |  |  ||  ||  |
Db      232 ----NIASELENFMGLIEVVTGYVKIR----HSHALVSLSLFKNLRLILG 273

```

## RESULT 148

US-09-844-353A-103

; Sequence 103, Application US/09844353A

; Patent No. 7414169

; GENERAL INFORMATION:

; APPLICANT: Ruvkun, Gary

; APPLICANT: Kimura, Koutarou

; APPLICANT: Patterson, Garth

; APPLICANT: Ogg, Scott

; APPLICANT: Paradis, Suzanne

; APPLICANT: Tissenbaum, Heidi

; APPLICANT: Morris, Jason

; APPLICANT: Kowek, Allison

; TITLE OF INVENTION: THERAPEUTIC AND DIAGNOSTIC TOOLS FOR

; TITLE OF INVENTION: IMPAIRED GLUCOSE TOLERANCE CONDITIONS

; FILE REFERENCE: 00786/351005

; CURRENT APPLICATION NUMBER: US/09/844,353A

; CURRENT FILING DATE: 2001-04-27

; PRIOR APPLICATION NUMBER: US 08/857,076

; PRIOR FILING DATE: 1997-05-15

; NUMBER OF SEQ ID NOS: 114

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 103

; LENGTH: 366

; TYPE: PRT

; ORGANISM: Homo sapiens

US-09-844-353A-103

Query Match 16.9%; Score 130; DB 3; Length 366;

Best Local Similarity 27.1%;

Matches 46; Conservative 19; Mismatches 53; Indels 52; Gaps 9;

```

Qy      1 VCVASCPHN-----FVVDQTSVCVRACPPDKMEVDKNG 32
      ||| :|| |                               ||:  |:| ||  :  :||
Db      122 VCVPACPPNTYRFEGWRCVDRDFCANILSAESSDSEGEVVIHDGECMQECPSGFI---RNG 178

Qy      33 LK--MCEPCGGLCPKACEGTGSGSRFQTVDS--SNIDGEVNTCKILGNLDFLITGLNGDPW 89
      : ||| |||| ||      : :||: ||  || |||| ||  |:
Db      179 SQSMYCIPCEGCPKVCVE---EEKTKTKIDSVTSAQMLQGCTIFKGNL--LINIRRGN-- 231

Qy      90 HKIPALDPEKLNVFRTVREITGYLNIQSWPPHMH---NFSVFSNLTITIG 136
      : | |      : :||: | :  | |  : | || | |
Db      232 ----NIASELENFMGLIEVVTGYVKIR----HSHALVSLSLFKNLRLILG 273

```

## RESULT 149

US-10-503-486-3

; Sequence 3, Application US/10503486

; Patent No. 7514240

; GENERAL INFORMATION:

; APPLICANT: Japan Science and Technology Corporation

; APPLICANT: Riken

; APPLICANT: Mochida Pharmaceutical CO., LTD.

; TITLE OF INVENTION: EGF/EGFR Complex

; FILE REFERENCE: PH-1639-PCT

; CURRENT APPLICATION NUMBER: US/10/503,486

```
; CURRENT FILING DATE: 2004-08-05
; PRIOR APPLICATION NUMBER: JP 2002-28780
; PRIOR FILING DATE: 2002-02-05
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 478
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-503-486-3
```

```
Query Match          16.9%; Score 130; DB 3; Length 478;
Best Local Similarity 27.1%;
Matches 46; Conservative 19; Mismatches 53; Indels 52; Gaps 9;
```

```
Qy      1 VCVASCPHN-----FVVQDTSCVRACPPDKMEVDKNG 32
      ||| :|| |                               ||:  |:| || :  :||
Db      229 VCVPACPPNTYRFEGWRCVDRDFCANILSAESSDSEGFVIHDGECMQECPSGFI---RNG 285

Qy      33 LK--MCEPCGGLCPKACEGTGSGSRFQTVDS--SNIDGFVNCTKILGNLDFLITGLNGDPW 89
      :  ||| ||| ||| : :||| :|  || || | :
Db      286 SQSMYCIPCEGPCPKVCE---EEKTKTIDSVTSAQMLQGCTIFKGNL--LINIRRGN-- 338

Qy      90 HKIPALDPEKLNVFRTVREITGYLNIQSWPPHMH---NFSVFSNLTITIG 136
      :  |  | : :||| :|  |  | :  | || || |
Db      339 ----NIASELENFMGLIEVVTGYVKIR----HSHALVSLSLFKNLRLILG 380
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# RESULT 150

US-08-746-559A-5

; Sequence 5, Application US/08746559A

; Patent No. 6084085

; GENERAL INFORMATION:

; APPLICANT: Renato Baserga

; APPLICANT: Mariana Resnicoff

; APPLICANT: Consuelo D'Ambrosio

; APPLICANT: Andre Ferber

; TITLE OF INVENTION: Method of Inducing Resistance to Tumor Growth

; NUMBER OF SEQUENCES: 7

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. 6084085ris LLP

; STREET: One Liberty Place - 46th Floor

; CITY: Philadelphia

; STATE: PA

; COUNTRY: USA

; ZIP: 19103

; COMPUTER READABLE FORM:

; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE

; COMPUTER: IBM PS/2

; OPERATING SYSTEM: PC-DOS

; SOFTWARE: WORDPERFECT 6.1

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/746,559A

; FILING DATE: 13-NOV-1996

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 60/006,699

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; FILING DATE: 14-NOV-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Paul K. Legaard
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; REFERENCE/DOCKET NUMBER: TJU-2063
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 568-3100
; TELEFAX: (215) 568-3439
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 486 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
US-08-746-559A-5

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Query Match          16.9%; Score 130; DB 2; Length 486;
Best Local Similarity 27.1%;
Matches 46; Conservative 19; Mismatches 53; Indels 52; Gaps 9;

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Qy      1 VCVASCPHN-----FVVVDQTSVCVRACPPDKMEVDKNG 32
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Db      229 VCVPACPNTYRFEGWRCVDRDFCANILSAESSDSEGFVIHDGECMQECPSGFI---RNG 285

Qy      33 LK--MCEPCGGLCPKACEGTGSGSRFQTVDS-SNIDGFVNCTKILGNLDFLITGLNGDPW 89
      : ||| ||| || : :||:| : || ||| || :
Db      286 SQSMYCIPCEGPCPKVCE---EEKTKTKIDSVTSAQMLQGCTIFKGNL--LINIRRGN-- 338

Qy      90 HKIPALDPEKLNVRTVREITGYLNIQSWPPHMH---NFSVFSNLTTIGG 136
      : | | : :||:| : | | : | || | |
Db      339 ----NIASELENFMGLIEVVTGYVKIR---HSHALVSLSLFLKNLRLILG 380

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Search completed: November 17, 2010, 15:04:17
Job time : 39.3163 secs

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SCORE 3.0